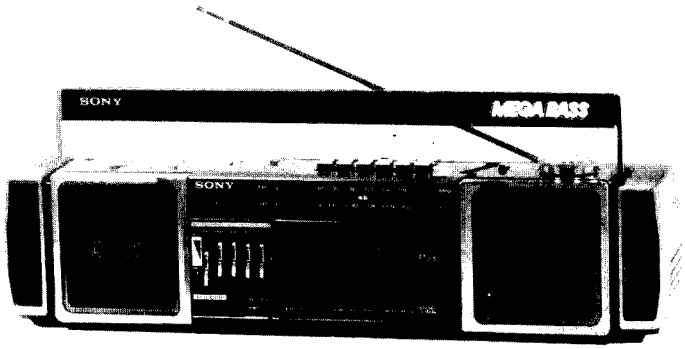
CFS-D10

SERVICE MANUAL

US Model
Canadian Model
AEP Model
E Model



Model Name Using Similar Mechanism	**CFS-DW60 CFS-W45**
Tape Transport Mechanism Type	**MF-D10-75D**

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION

Full-range speakers:
With 3.2-ohm loads, both channels driven from 150–10,000 Hz: rated 1.5 W per channel minimum RMS power, with no more than 10% total harmonic distortion in AC operation.

Super woofer:
With 4-ohm loads, driven from 60–200 Hz: rated 5 W minimum RMS power, with no more than 10% total harmonic distortion in AC operation.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

OTHER SPECIFICATIONS

Radio section

Frequency range	**FM:** 87.6–108 MHz **AM:** 530–1,605 kHz
Antennas	**FM:** Telescopic antenna **AM:** Built-in ferrite bar antenna

Tape recorder section and general

Recording system	4-track 2-channel stereo
Fast winding time	Approx. 1.5 min. with Sony cassette HF-60
Frequency response	40–10.000 Hz 40–14.000 Hz (playback)
Speakers	Full-range: 10 cm (4 inches) dia × 2 Superwoofer: 8 cm (3¼ inches) dia × 1
Power output	Full-range speakers: 2 W + 2 W (at 3.2 ohms, 315 Hz, 10% harmonic distortion) Super woofer: 6 W (at 4 ohms, 100 Hz, 10% harmonic distortion) at either AC or DC operation

– Continued on page 2 –

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

FM/AM STEREO CASSETTE-CORDER

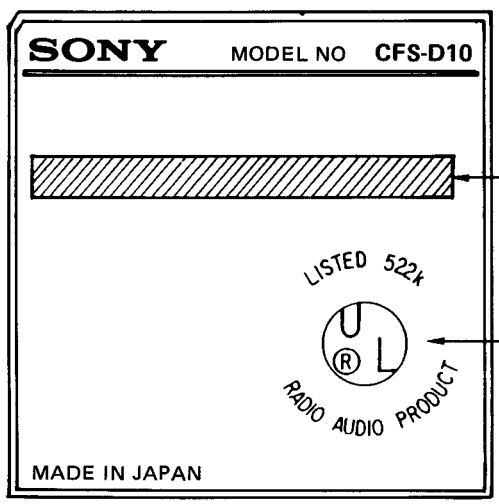
SONY®

MICROFILM

TC

Inputs	One mixing microphone input jack (minijack) sensitivity 2.5 mV for low impedance microphone Two line input jacks (phono jacks) sensitivity 0.3 V . . . (US MODEL) 0.33 V . . . (Canadian MODEL) 0.44 V . . . (AE, E MODEL) input impedance 47 kilo-ohms
Outputs	Headphones jack (stereo minijack) for 8–300-ohm impedance headphones
Power requirements	120 V AC, 60 Hz . . . . (US, Canadian MODEL) 220 V AC, 50/60 Hz . . (AE MODEL) 110-120 V or 220-240 V AC adjustable, 50/60 Hz . . . (E MODEL) 9 V DC, six (size D) IEC designation R20 batteries DC IN 9 V jack accepts: Sony DCC-200 Car battery cord (optional) for use on 12 V car battery
Power consumption	22 W . . . (US, Canadian MODEL) 14 W . . . (AE, E MODEL)

MODEL IDENTIFICATION



US, Canadian Model: AC 120V 60Hz 22W
AEP Model: AC 220V 50/60Hz 14W
E Model: AC 110-120V or 220-240V 50/60Hz 14W

US Model only

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SAFETY CHECK-OUT (US Model)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

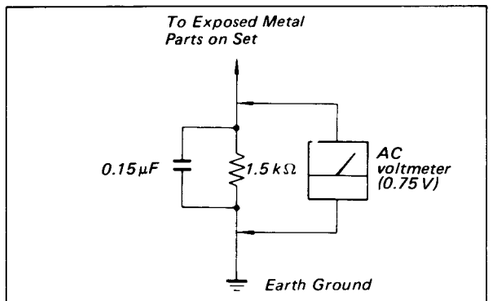
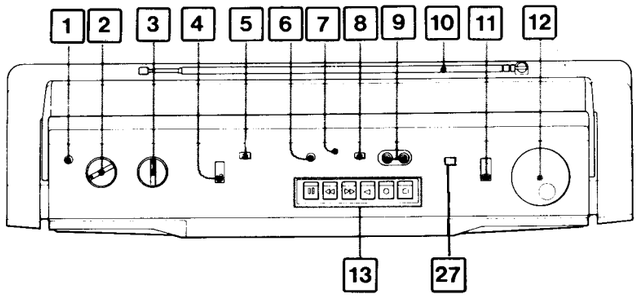


Fig. A. Using an AC voltmeter to check AC leakage.

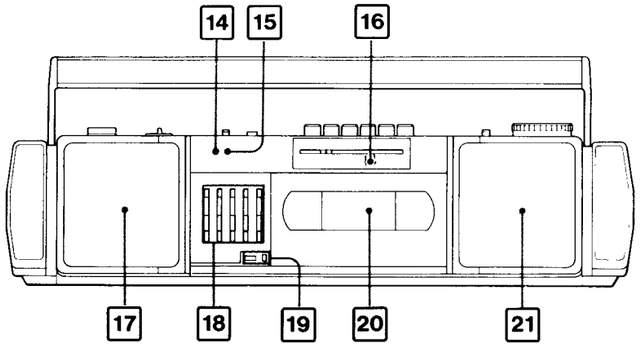
SECTION 1
OUTLINE

1-1. LOCATION AND FUNCTION OF CONTROLS

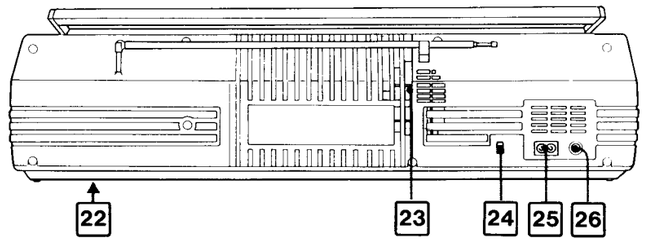
Upper panel



Front panel



Rear panel



[1] **PHONES (headphones) jack (stereo minijack)**

[2] **VOLUME control**

[3] **BALANCE control**
For controlling the balance of the left and right channel output level. Normally set it to the center position.

[4] **FUNCTION selector**
LINE IN/CD: For listening to or recording an external sound source (connected to the LINE IN/CD jacks).
RADIO: For listening to or recording a radio program.
TAPE/RADIO OFF: For playing back a tape or for recording from the built-in microphone.

[5] **REC MUTE (record muting) button**
For making blank spaces between selections during recording.

[6] **MIX MIC (mixing microphone) jack (minijack)**

[7] **MIC (built-in microphone)**

[8] **TAPE SELECT switch** (only for playback)

[9] **LINE IN/CD (line input/CD) jacks (phonojacks)**

[10] **Telescopic antenna**

[11] **BAND selector**

[12] **TUNING knob**

[13] **Tape operation buttons**
II PAUSE: Depress to momentarily stop the tape during recording or playing back. To restart, press it again.
◀◀ FF (fast forward)
▶▶ REW (rewind)
◀ PLAY (playback)
● REC (record)
■ STOP/EJECT

[14] **OPR/BATT (operation/battery) indicator**

[15] **FM ST (FM stereo) indicator**
Lights up when an FM stereo program of sufficient signal strength is tuned in.

[16] **Dial scale and pointer**

[17] **Full-range speaker (left)**

[18] **GRAPHIC EQUALIZER controls**
For making adjustments in the tone quality during playback.

[19] **Tape counter**
Press the reset button to reset the counter to 000.

[20] **Cassette holder**

[21] **Full-range speaker (right)**

[22] **Battery compartment** (on the bottom)

[23] **Super woofer**

[24] **VOLTAGE SELECTOR** (E Model only)

[25] **AC IN (power input) socket**

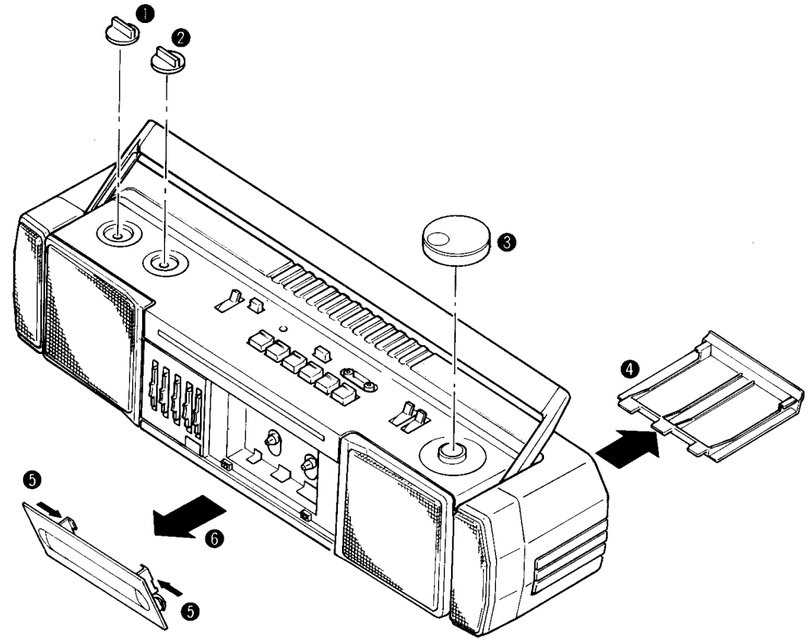
[26] **DC IN 9V (external power input) jack**

[27] **FM MODE** (G-AEP Model only)

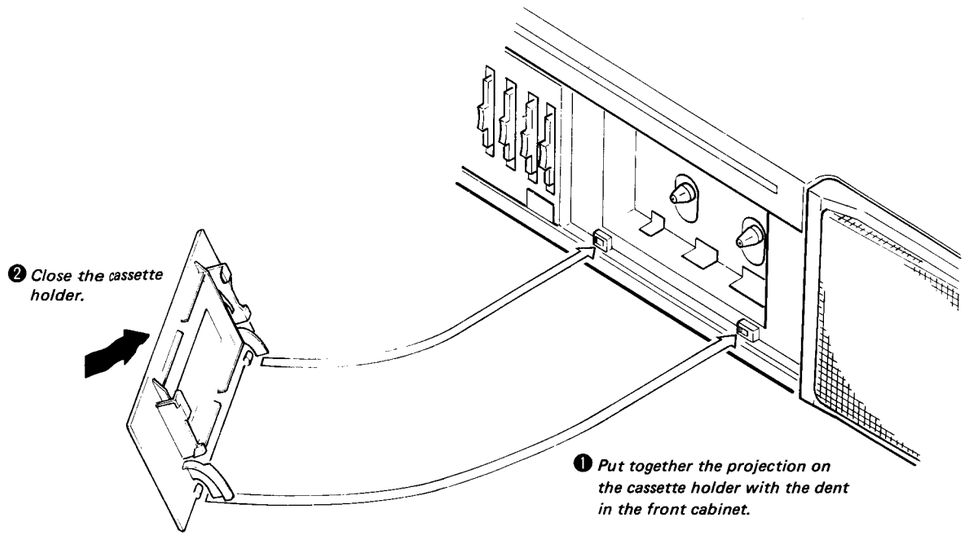
SECTION 2
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

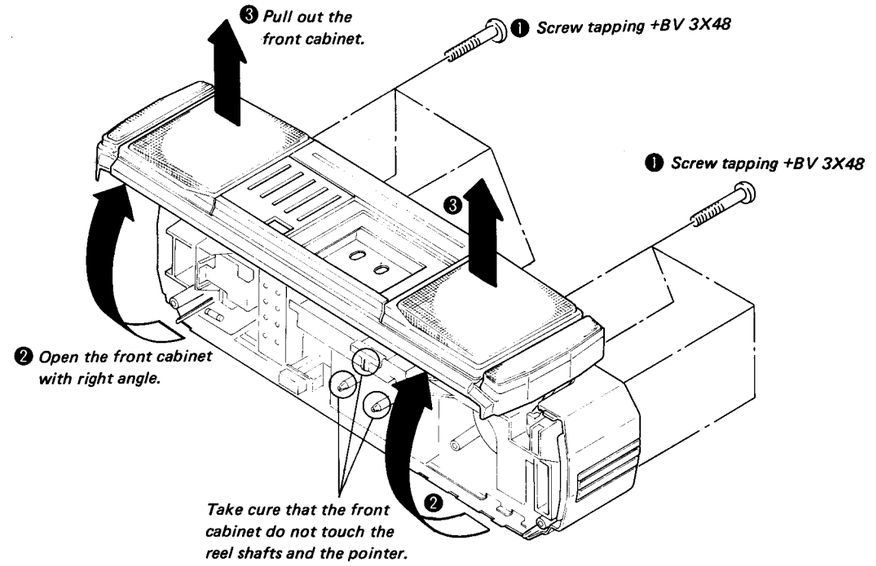
KNOB & CASSETTE HOLDER



NOTE ON ASSEMBLY



FRONT CABINET


❸ Pull out the front cabinet.
❶ Screw tapping +BV 3X48
❶ Screw tapping +BV 3X48
❸
❷ Open the front cabinet with right angle.
Take cure that the front cabinet do not touch the reel shafts and the pointer.
❷

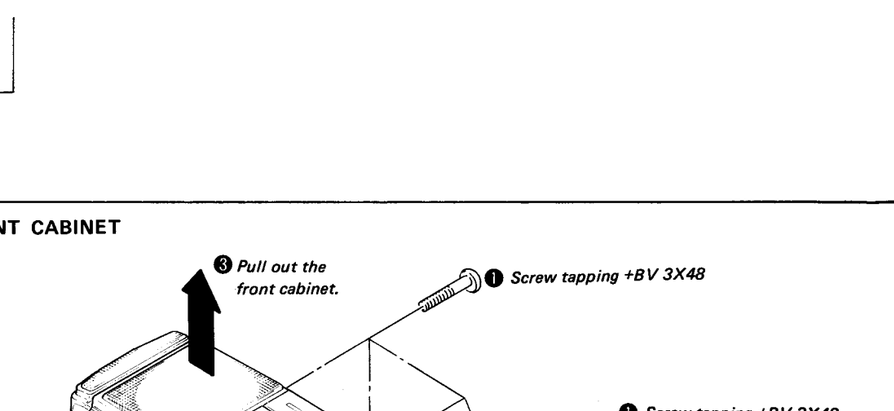
DIAL CORD STRINGING

❶ Hook the dial cord to the spring.

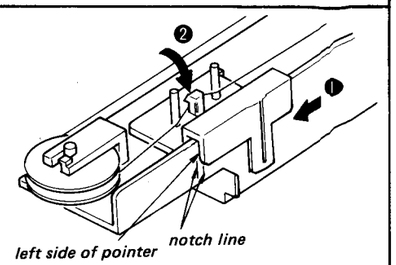
❷ Hook the spring to the dial drum.

❸ Turn the dial drum fully counterclockwise.

❹ ~ ⓫ String the dial cord in the numerical oder given.



1. Install the chassis (T) on the rear cabinet and radio board, then turn the dial drum fully counterclockwise.
2. ❶ Slide the pointer as the left side of pointer between the notch lines.
   ❷ Hook the dial cord to the pointer as shown.



SECTION 3
ADJUSTMENTS

3-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:

   record/playback head — pinch roller
   rubber belts
   capstan — idlers

2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
6. The adjustments should be performed in the order given in this service manual.
   The adjustments should be performed for both L-CH and R-CH.

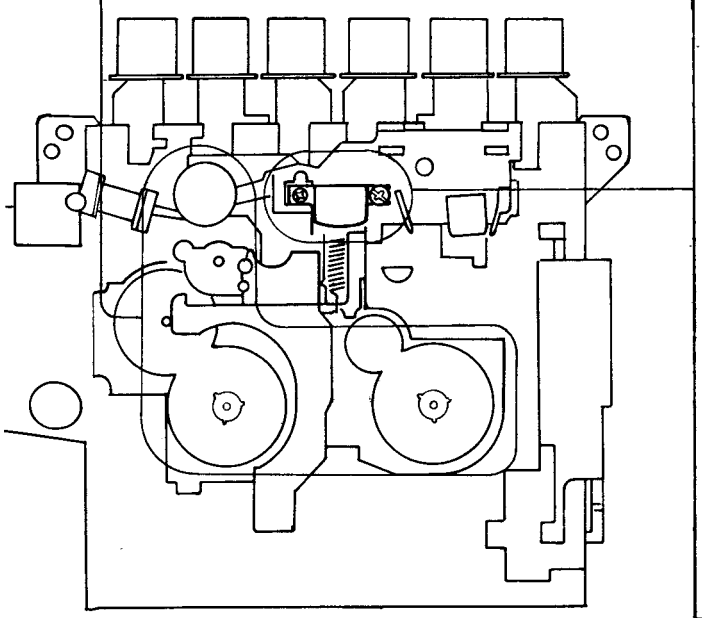
Torque Measurement

Torque	Torque meter	Meter reading
Forward	CA102-D	25–50 g·cm 0.34–0.69 oz·inch
Fast Forward	CQ-201B	85–120 g·cm 1.18–1.66 oz·inch
Rewind	CQ-201B	more than 85 g·cm 1.18 oz·inch
Back Tension	CQ-102D	2–5 g·cm 0.03–0.07 oz·inch

Tape Pulling Force Measurement

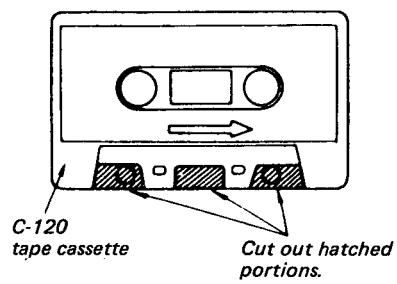
Meter	Meter reading
CQ-403A	more than 170 g (more than 5.99 oz)

Adjustment location:
(mechanism deck front view)

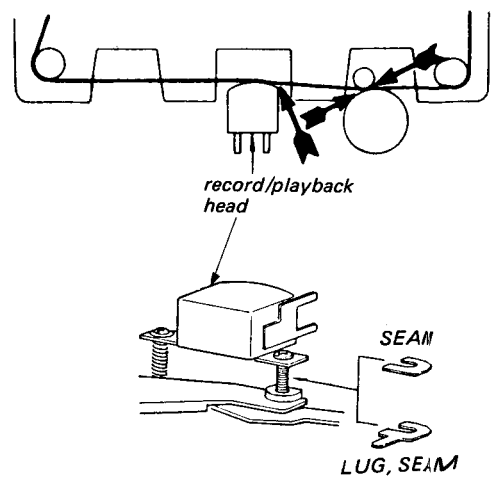


Head Height Adjustment

1. Prepare an adjustment cassette as shown below.



2. In playback mode and viewing from the front, adjust the head heights to eliminate tape curl and tape twist at the portions shown by the arrows.

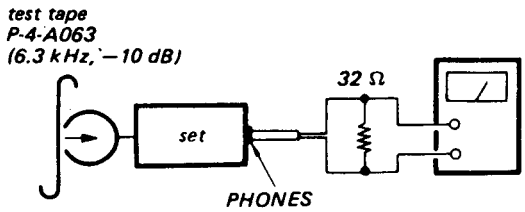


Description	Part No.	t
SEAM	3-578-138-01	0.1
	3-578-138-11	0.2
	3-578-138-21	0.3
LUG, SEAM	3-331-108-01	0.1
	3-331-108-11	0.2
	3-331-108-21	0.3
	3-331-108-31	0.4
	3-331-108-41	0.5

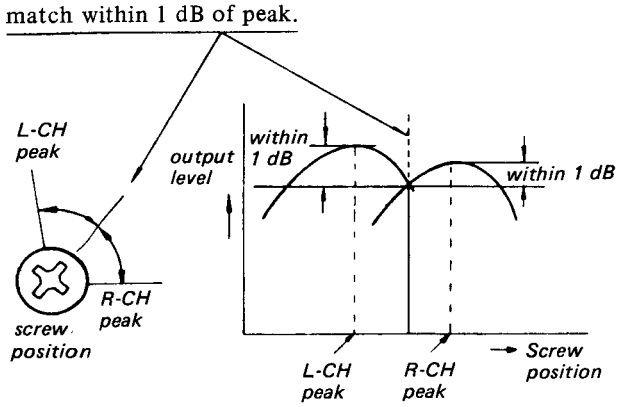
Record/Playback Head Azimuth Adjustment

Procedure:

1. Mode: playback

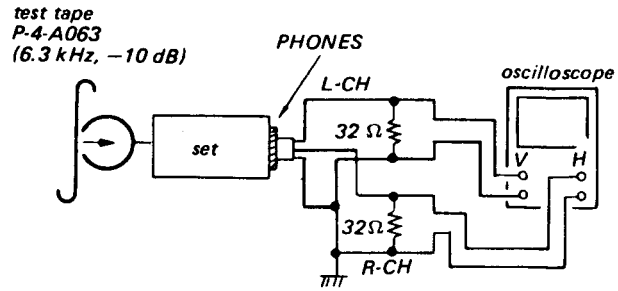


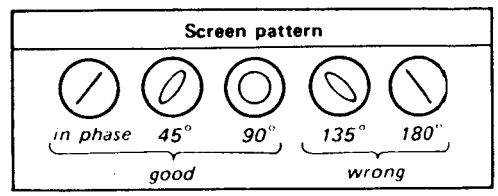
2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1 dB of peak.



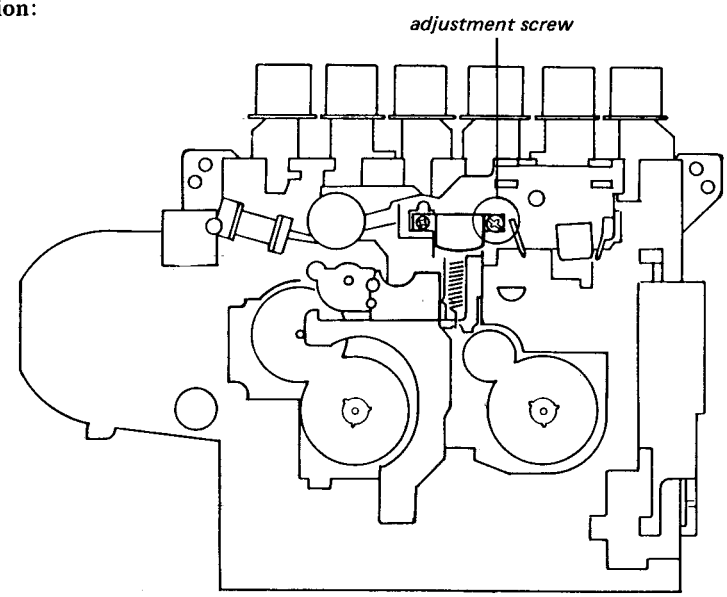
Note: Finish the screw adjustment with a turn in the clockwise direction.
After the adjustment, lock the adjustment screw.

3. Phase Check
Mode: playback





Adjustment location:



3-2. ELECTRICAL ADJUSTMENTS

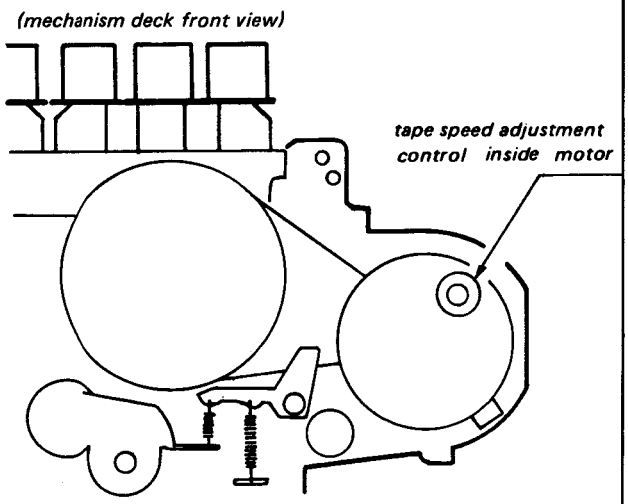
RECORDER SECTION

1. **The adjustments should be performed in the order given in the Service Manual.**
2. **The adjustments should be performed for both L-CH and R-CH unless otherwise indicated.**

- Switch location

FUNCTION. . . . .TAPE/RADIO OFF
REC MUTE. . . . . OFF
GRAPHIC EQUALIZER. . . . . CENTER
VOLUME . . . . . CEMTER

Adjustment location :



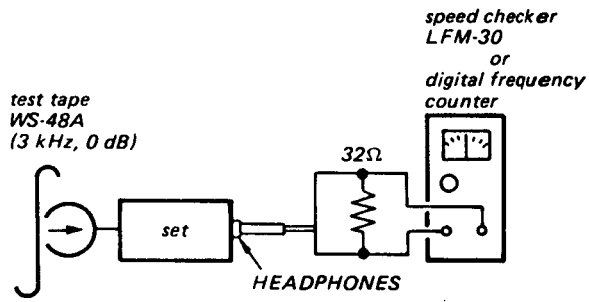
Tape Speed Adjustment

Setting:

VOLUME control: mechanical mid
BALANCE control: mechanical mid

Procedure:

Mode: playback



Specification:

Speed checker	Digital frequency counter
±1 %	2,970 to 3,030 Hz

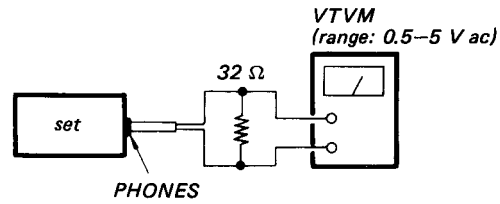
Frequency difference between the beginning and the end of the tape should be within 1 % (30 Hz).

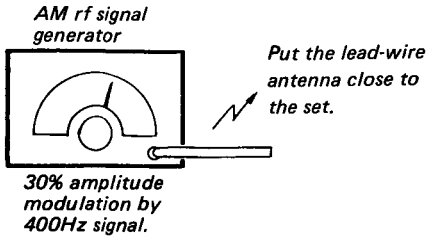
RADIO SECTION

- **AM Section**

Setting:

FUNCTION switch: RADIO
BAND switch: AM

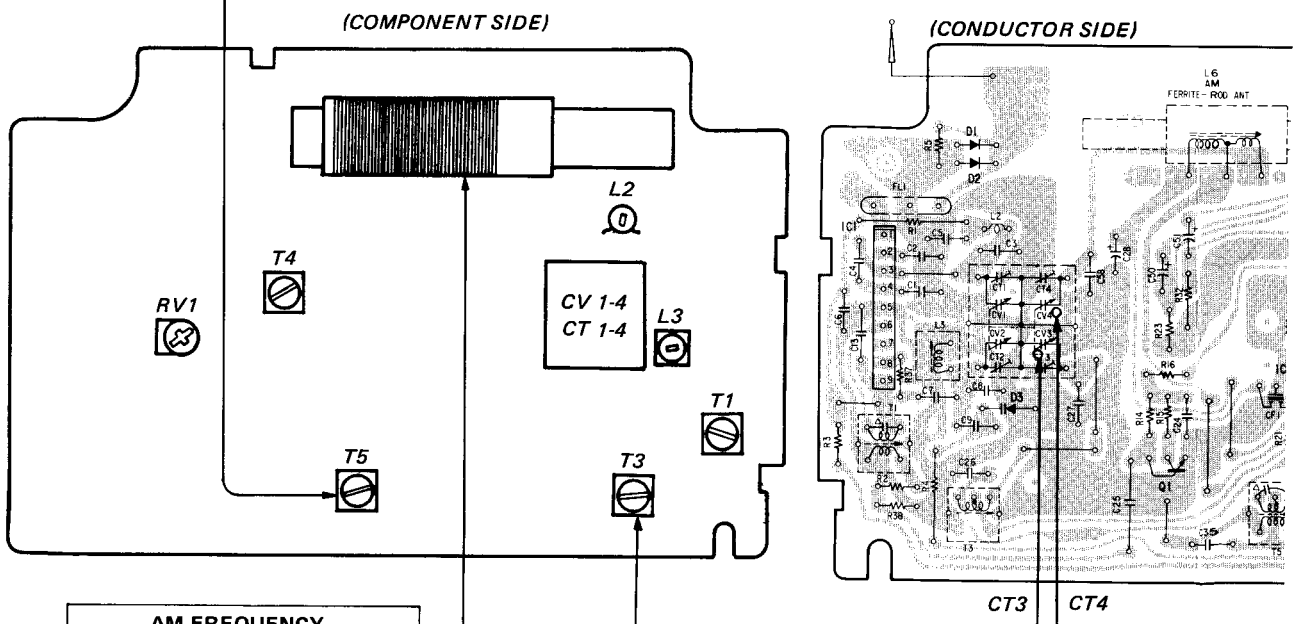




- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

Adjustment location: tuner board

AM IF ALIGNMENT	
Adjustment for a maximum reading on VTVM.	
T5	455 kHz



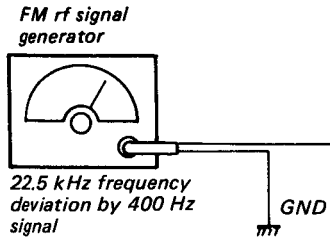
AM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
518 kHz	T3
1,690 kHz	CT3

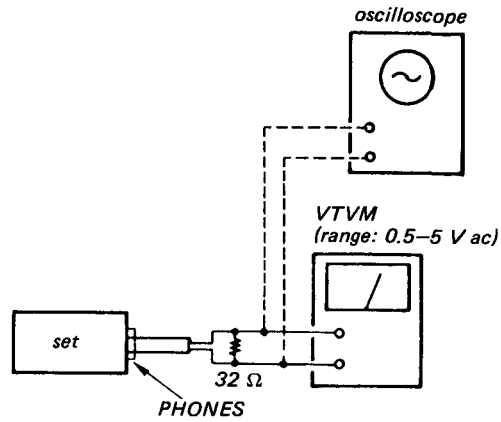
AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
620 kHz	L6
1,400 kHz	CT4

• FM Section

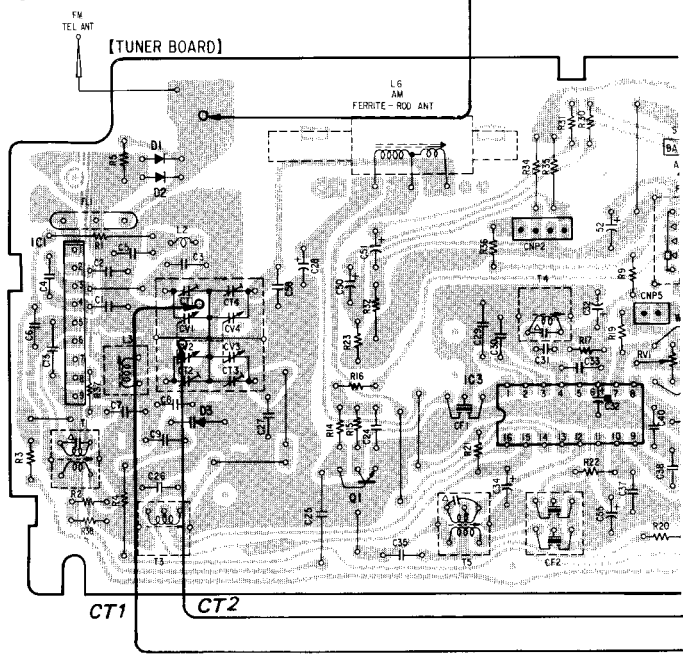
Setting

FUNCTION switch: RADIO
BAND switch : FM





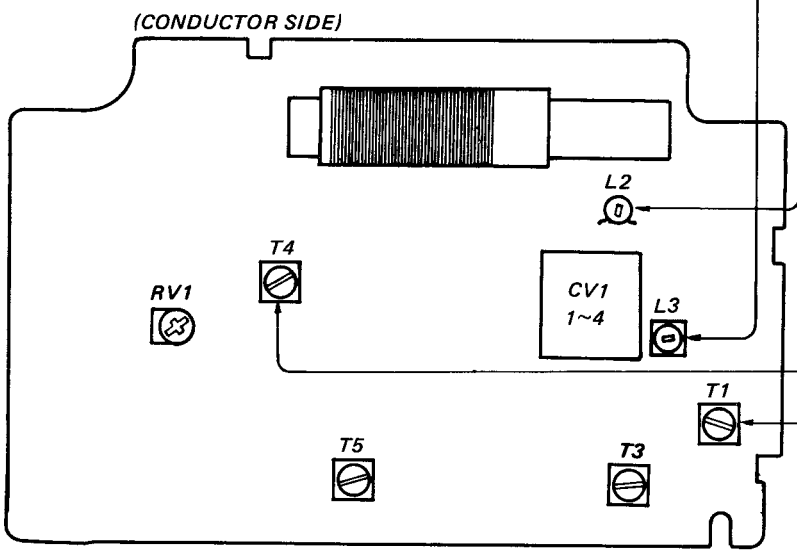
Adjustment location: tuner board



FM FREQUENCY COVERAGE ADJUSTMENT		
Adjust for a maximum reading on VTVM.		
adjustor	except G-AEP model	G-AEP model
CT2	109.5 MHz	107.8 MHz
L3	86.3 MHz	87.35 MHz

FM TRACKING ADJUSTMENT		
Adjust for a maximum reading on VTVM.		
adjustor	except G-AEP model	G-AEP model
CT1	109.5 MHz	107.8 MHz
L2	86.3 MHz	87.35 MHz

• Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.



FM IF ALIGNMENT	
Adjust T1 and T4 for maximum reading and minimum distortion on oscilloscope.	
10.7 MHz	
T4	T1

- **VCO Adjustment**

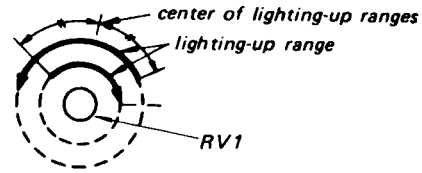
Procedure:

1. Disconnect CNP5.
2. Connect a capacitor (10 μF/50 V) between ground and pin 1 of IC4 as shown.
3. Adjust RV1 for 38 kHz ± 200 Hz on the counter.
4. After the adjustment, remove the capacitor.

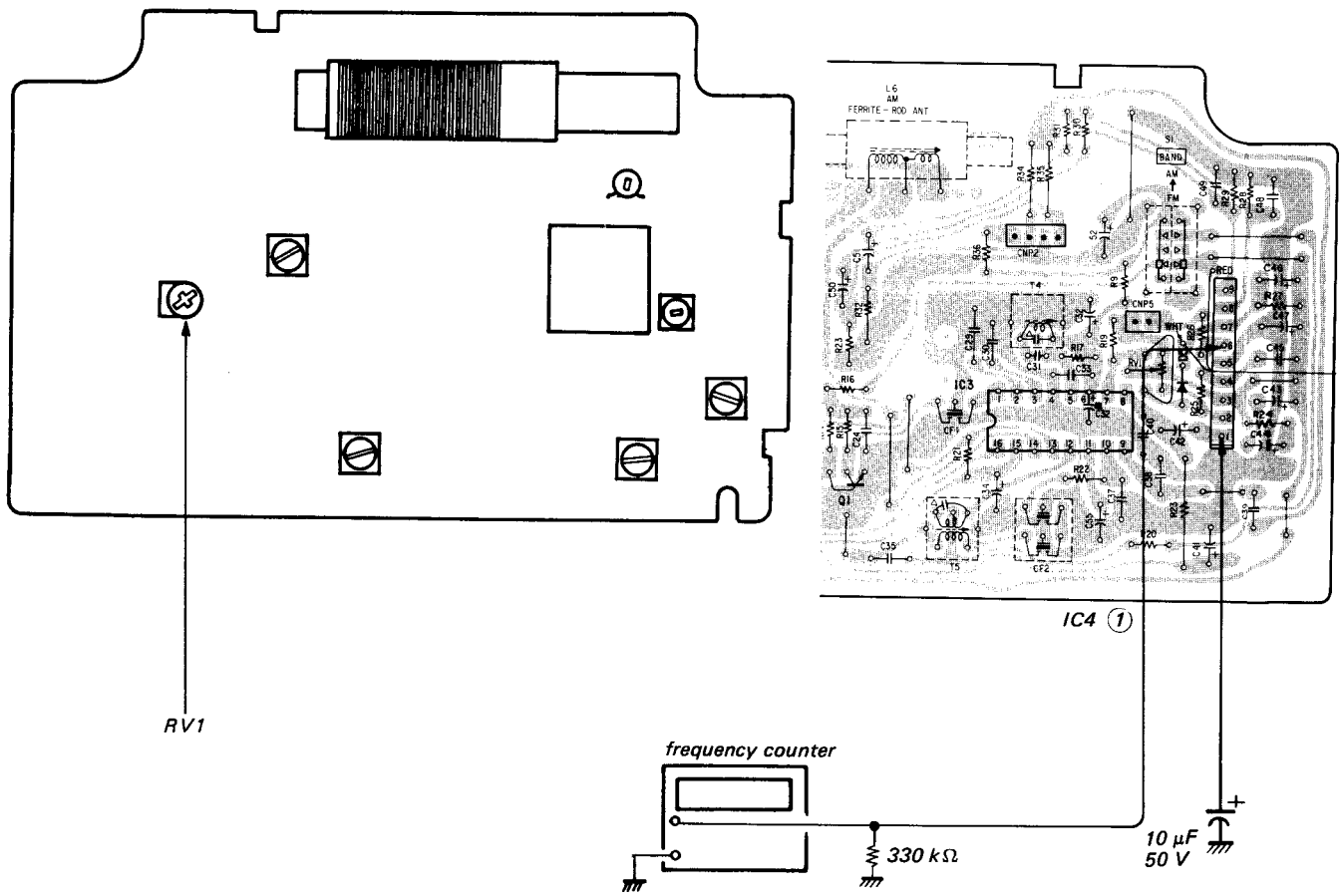
- **Simple Method**

Procedure:

1. Receive an FM stereo broadcasting signal.
2. Turn RV1 back and forth, and set at the center of where the stereo lamp lit up ranges overlap.

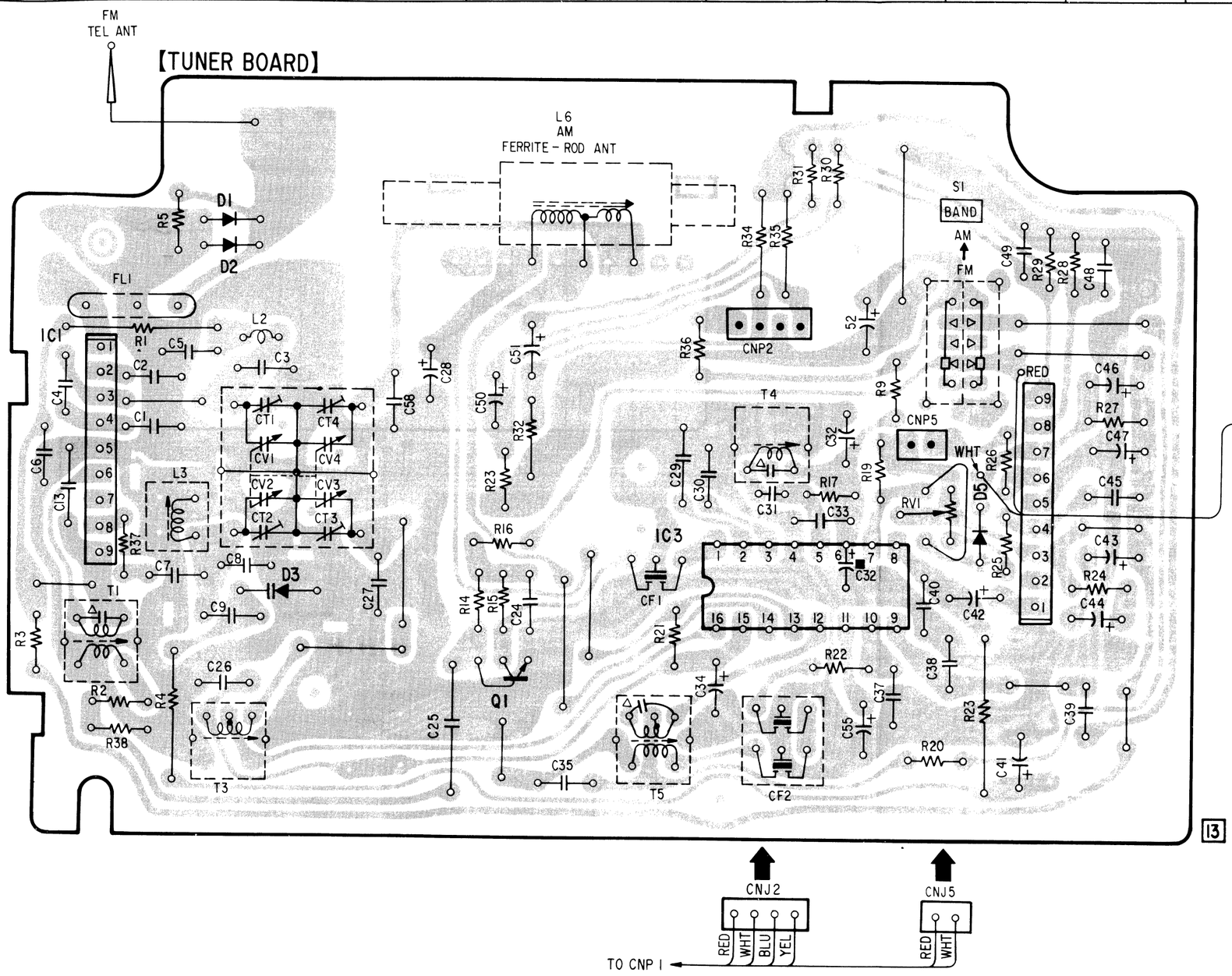


Adjustment location: tuner board

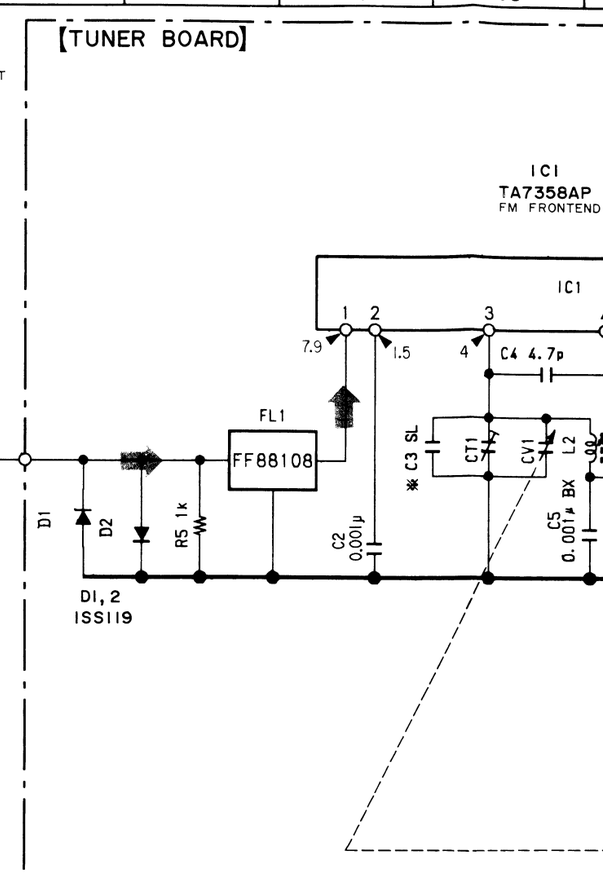


SECTION 4
DIAGRAMS

4-1. MOUNTING DIAGRAM
– Tuner Section –



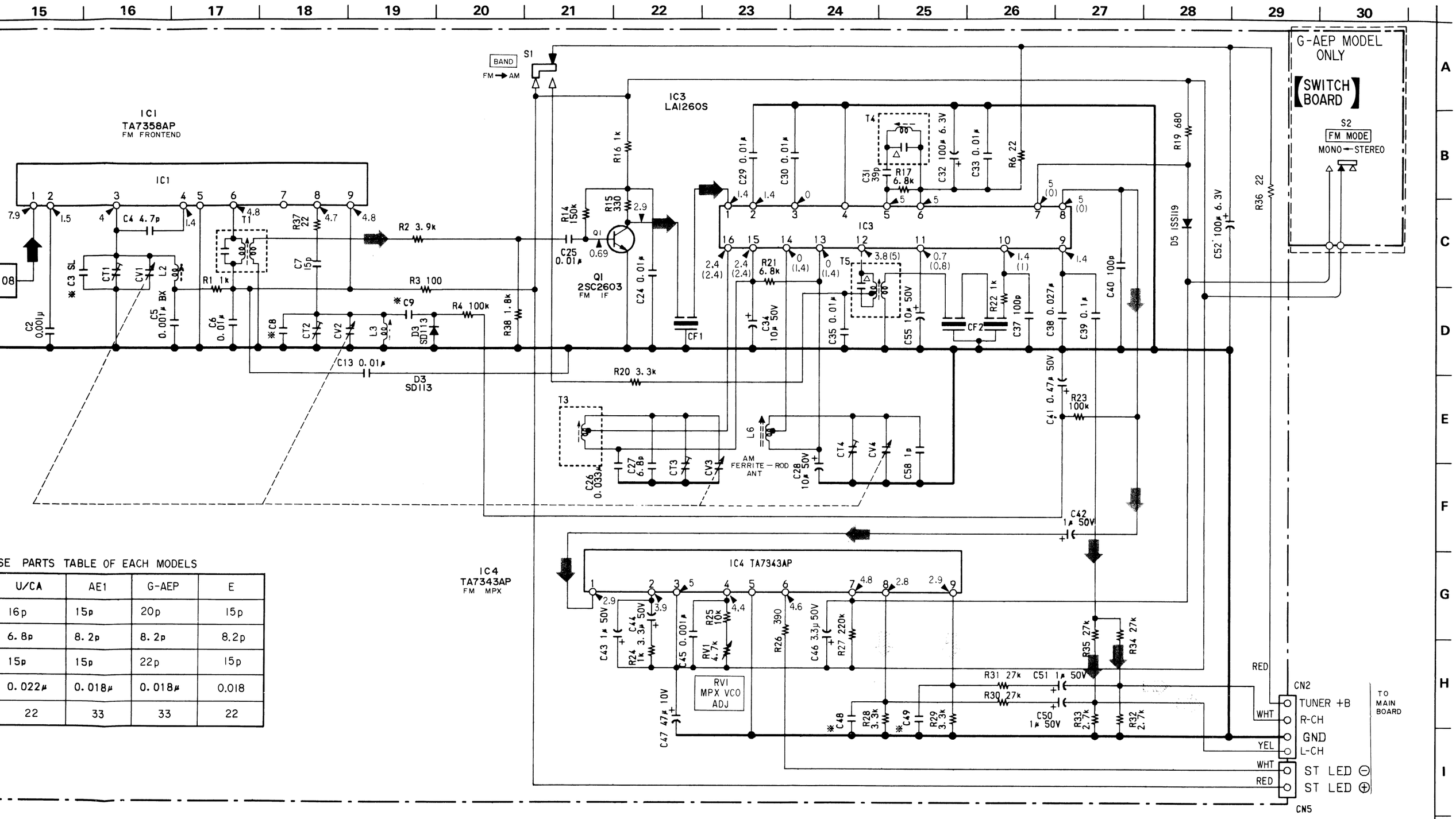
4-2. SCHEMATIC DIAGRAM
– Tuner Section –



DIFFERENSE PARTS TABLE OF EACH MODE

※

	U/CA	AE1	G-AEP
C8	16p	15p	20p
C9	6.8p	8.2p	8.2p
C3	15p	15p	22p
C48, 49	0.022μ	0.018μ	0.018μ
R36	22	33	33



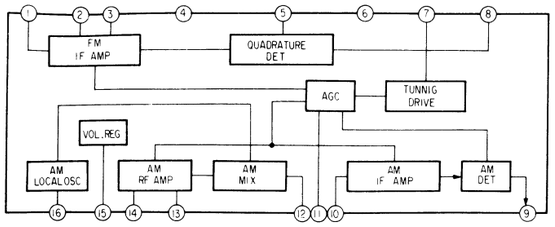
SE PARTS TABLE OF EACH MODELS

U/CA	AE1	G-AEP	E
16p	15p	20p	15p
6.8p	8.2p	8.2p	8.2p
15p	15p	22p	15p
0.022μ	0.018μ	0.018μ	0.018
22	33	33	22

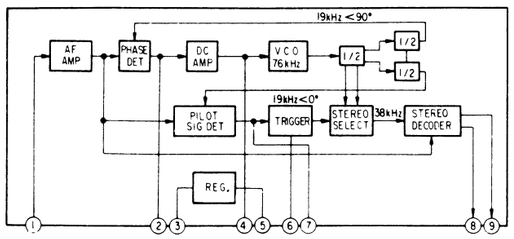
4-3. MOUNTING DIAGRAM

– Audio Section –

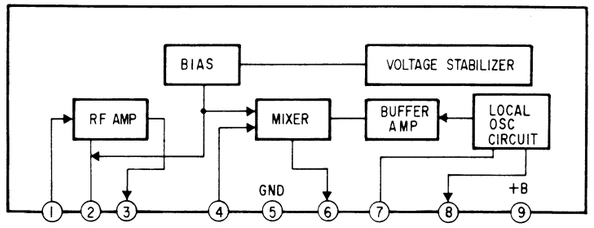
(LA1260S)



(TA7343AP)

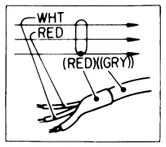


(TA7358AP)



Note:

- Color code of sleeving over the end of the jacket.



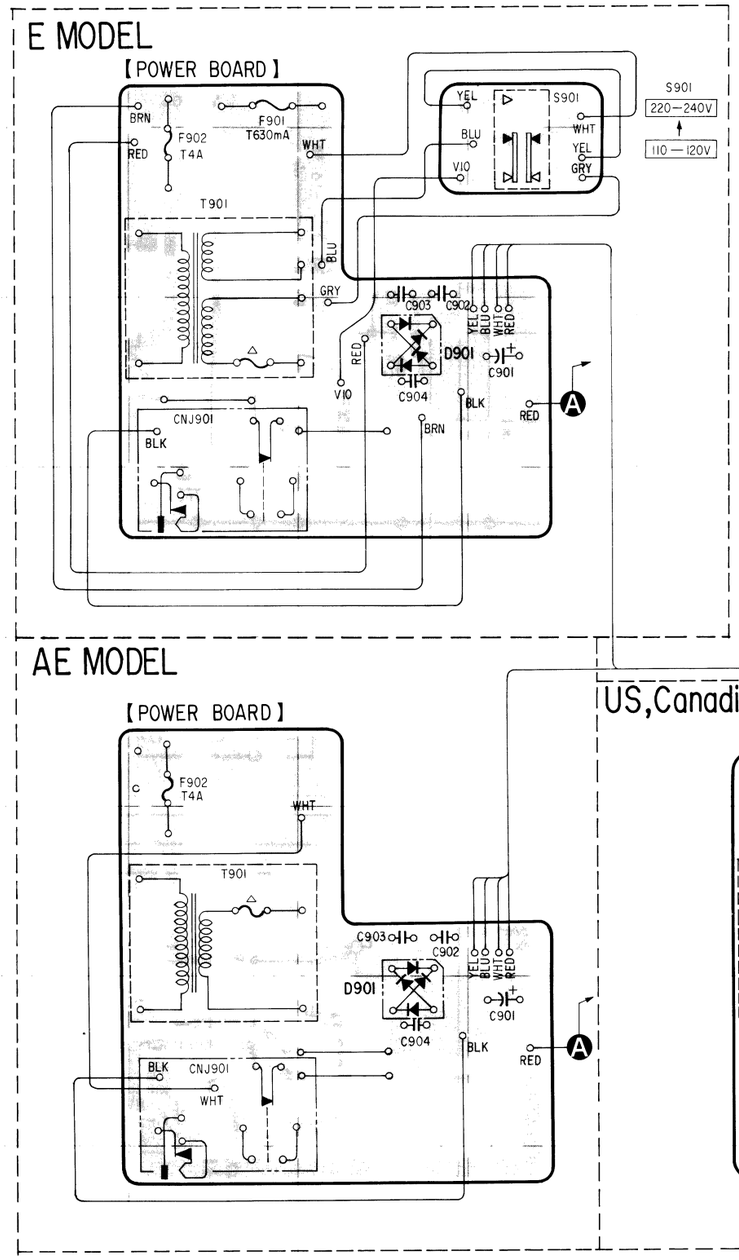
- ○—: parts extracted from the component side.
- ●—: parts extracted from the conductor side.
- ■ : part mounted on the conductor side.
- ⬚← : indicates side identified with part number.
- ▲ : nonflammable resistor.

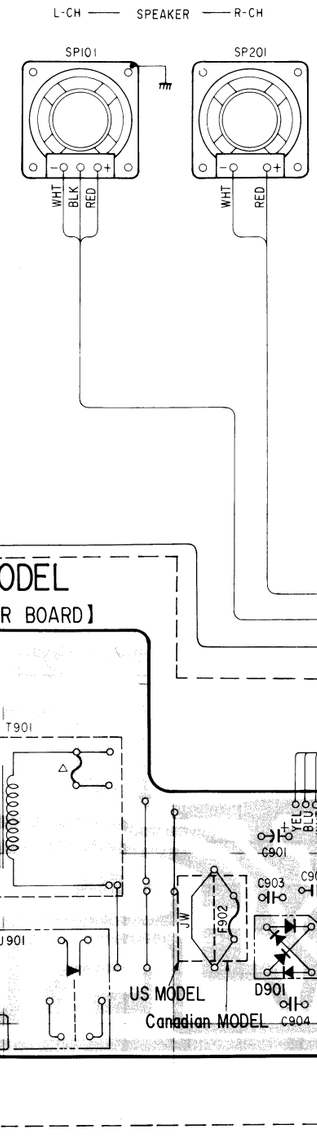
● SEMICONDUCTOR LOCATION

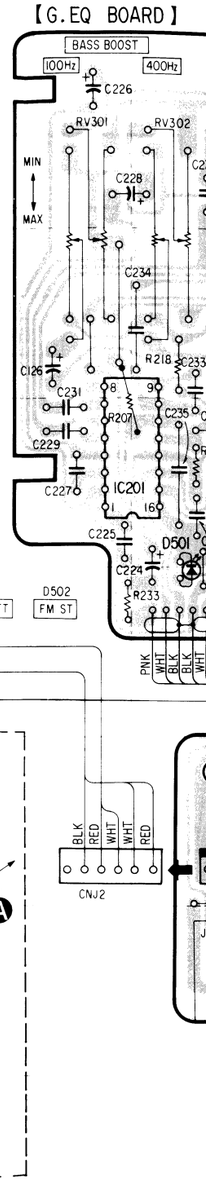
Ref.No.	Location
D101	D-14
D201	D-15
D302	D-14
D501	D-9
D502	E-9
D901	C-3 (E) G-3 (AE) G-7 (US, Canadian)
IC101	D-10
IC201	D-8
IC301	E-21
IC302	E-17
IC303	E-14
IC304	E-12
IC305	C-12
Q101	G-16
Q102	F-11
Q103	F-12
Q201	G-16
Q202	F-10
Q203	F-12
Q301	F-18
Q302	E-18
Q303	D-15
Q304	D-15
Q305	E-13
Q306	D-13
Q307	C-13
Q308	D-13
Q309	C-14
Q310	F-18
Q311	G-19

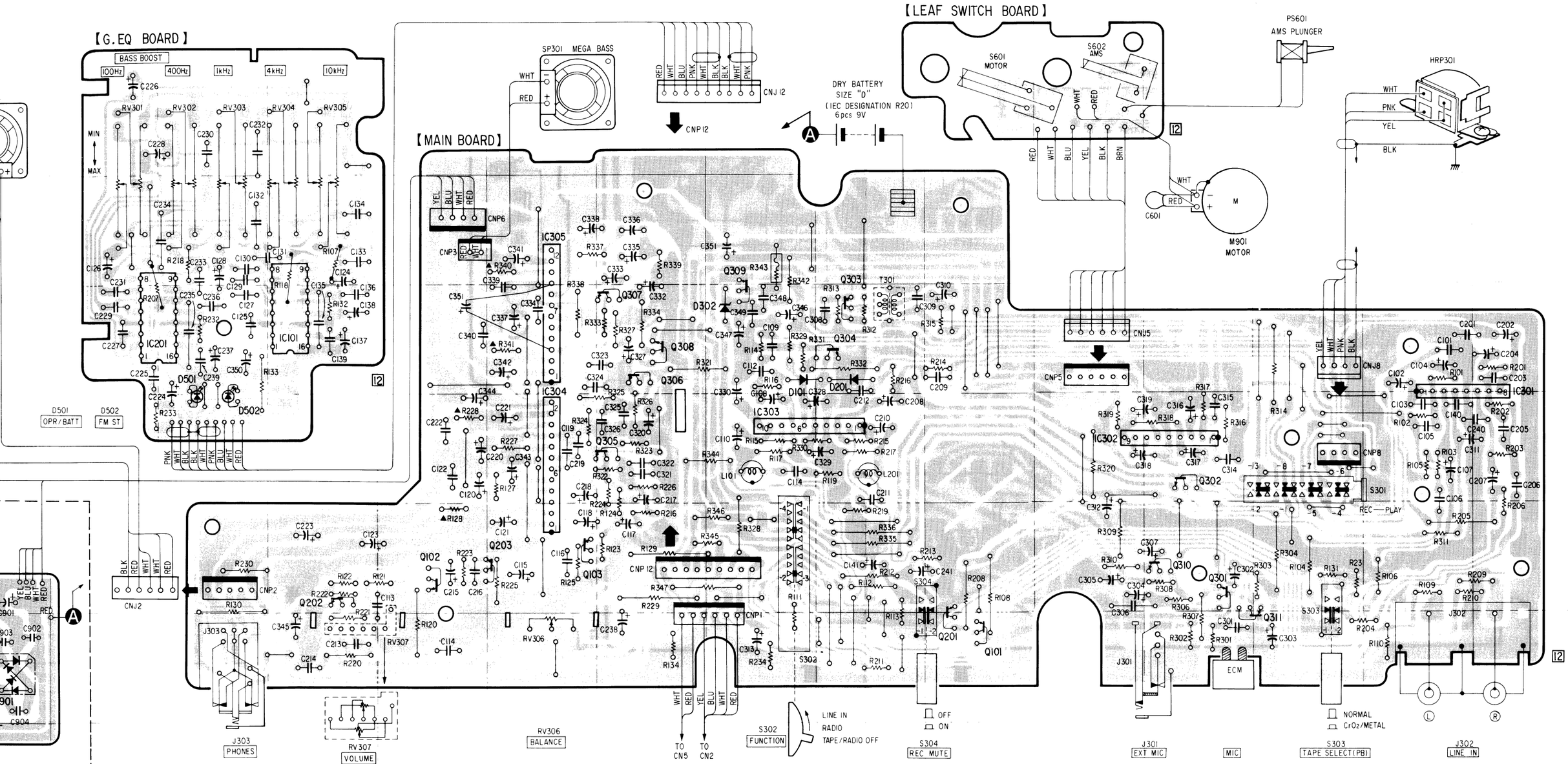
● Semiconductor Lead Layouts

LA1260S **LA3600** 16 15 14 13 12 11 10 9 1 2 3 4 5 6 7 8 (Top view)	**LA3161** 1 2 3 4 5 6 7 8	**LA2010** **TA7343AP** **TA7358AP** 1 2 3 4 5 6 7 8 9	**M51544AL** 1 2 3 4 5 6 7 8 9 10	**TA782AP** 1 6 12
2SC2001 E C B	**2SC2603-F** **2SC2724-C** **2SC2839-D** **2SD1012** **DTA124ES** E C B	**2SD773** E C B	**SLP-135B-55** long short anode cathode	**1SS119** **1SS277** cathode anode
RD6.8EL1 **HZ27-2L** cathode anode	**S3WB60Z** *Marking*			








【G.EQ BOARD】
BASS BOOST
100Hz
400Hz
1kHz
4kHz
10kHz
MIN
MAX
【MAIN BOARD】
【LEAF SWITCH BOARD】
SP301 MEGA BASS
CNJ12
CNP12
DRY BATTERY
SIZE "D"
(IEC DESIGNATION R20)
6pcs 9V
S601
MOTOR
S602
AMS
PS601
AMS PLUNGER
HRP301
C601
M901
MOTOR
CNP6
CNP3
CNP2
CNJ2
CNP1
CNP12
CNJ5
CNP5
CNJ8
CNP8
IC305
IC304
IC303
IC302
IC301
IC201
IC101
Q309
Q307
Q308
Q306
Q305
Q303
Q304
Q203
Q202
Q102
Q103
Q310
Q311
Q301
Q302
Q201
Q101
D302
D101
D201
D501
D502
T301
L101
L201
S301
REC — PLAY
S302
FUNCTION
LINE IN
RADIO
TAPE/RADIO OFF
S303
TAPE SELECT(PB)
NORMAL
CrO2/METAL
S304
REC MUTE
OFF
ON
J301
EXT MIC
MIC
J302
LINE IN
J303
PHONES
RV306
BALANCE
RV307
VOLUME
ECM
D501
OPR/BATT
D502
FM ST
TO CN5
TO CN2
12
A

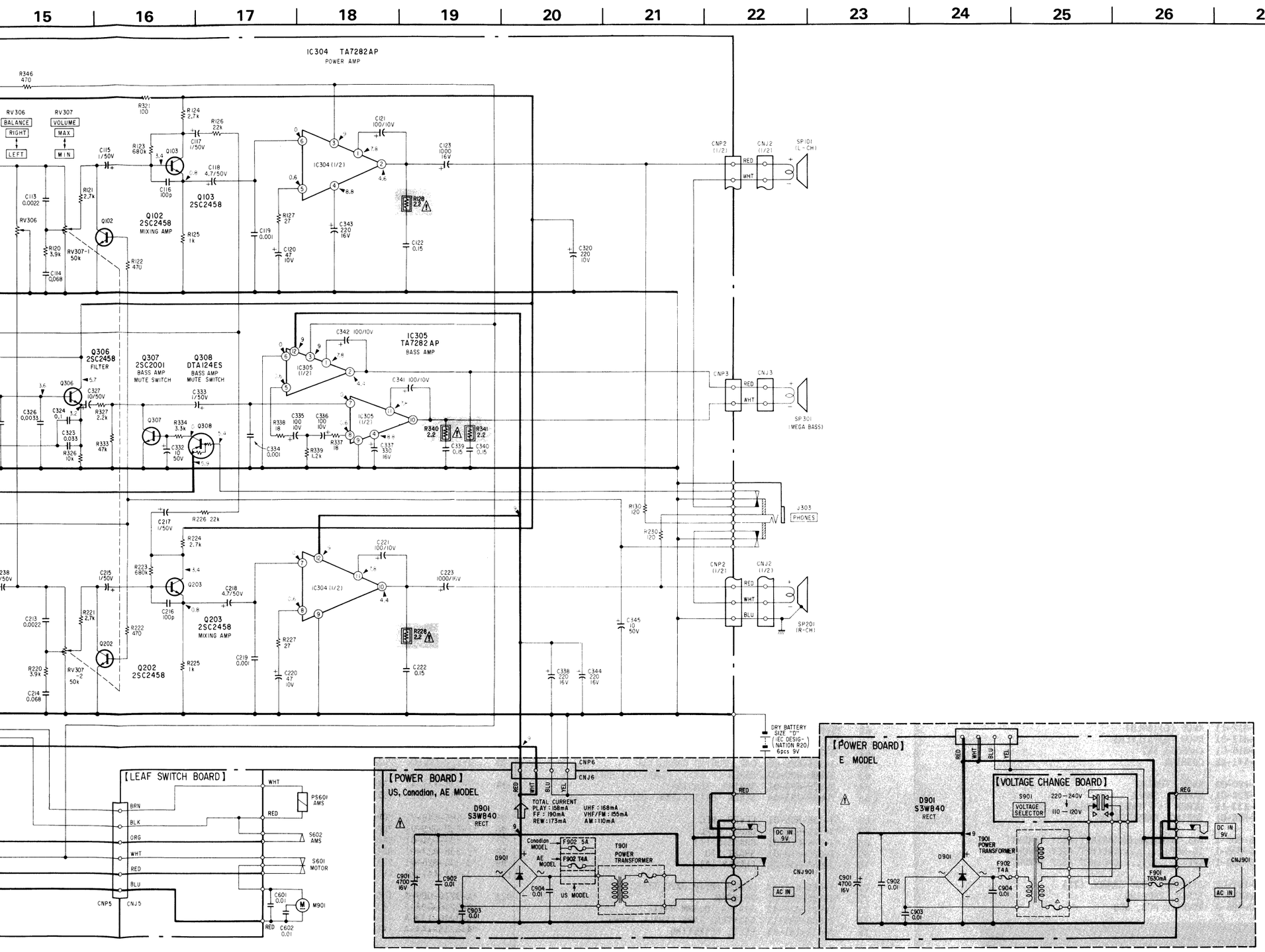
4-4. SCHEMATIC DIAGRAM

– Audio Section –

【MAIN BOARD】

【G.EQ BOARD (1/3)】

【LEAF SWITCH BOARD】



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $^1/_6$W or less unless otherwise specified.
- [illegible]

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- Switch

TUNER BOARD

Ref. No.	Switch	Position
S1	BAND	FM
S2	FM MODE	STEREO

MAIN BOARD

S301	REC/PLAY	PLAY
S302	FUNCTION	TAPE
S303	TAPE SELECT	NORMAL
S304	REC MUTE	OFF

LEAF SWITCH BOARD

S601	MOTOR	OFF
S602	AMS	OFF

- : B+ bus.
- : adjustment for repair.
- Total current is measured with no cassette installed.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal (detuned) conditions with a VOM (50 kΩ/V).
  (TUNER BOARD)
  : FM
  ( ) : AM
  (MAIN BOARD)
  : PLAY
  < > : REC
- Power voltage is 9 V and fed with reglated DC power supply.
  Voltage are dc with respect to ground in PLAY mode with VOM (DC 50 kΩ/V).
- Waveforms are taken to ground in REC mode by using oscilloscope.

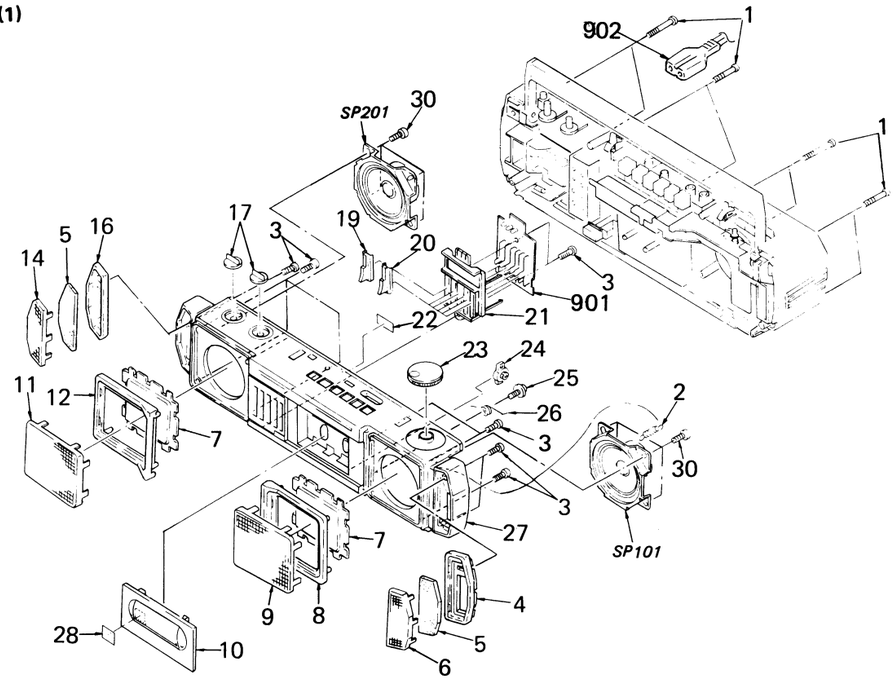
SECTION 5
EXPLODED VIEWS AND PARTS LIST

NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Color Indication of Appearance Parts
  Example: (RED) ..... KNOB, BALANCE (WHITE)
  Cabinet's Color — Parts' Color

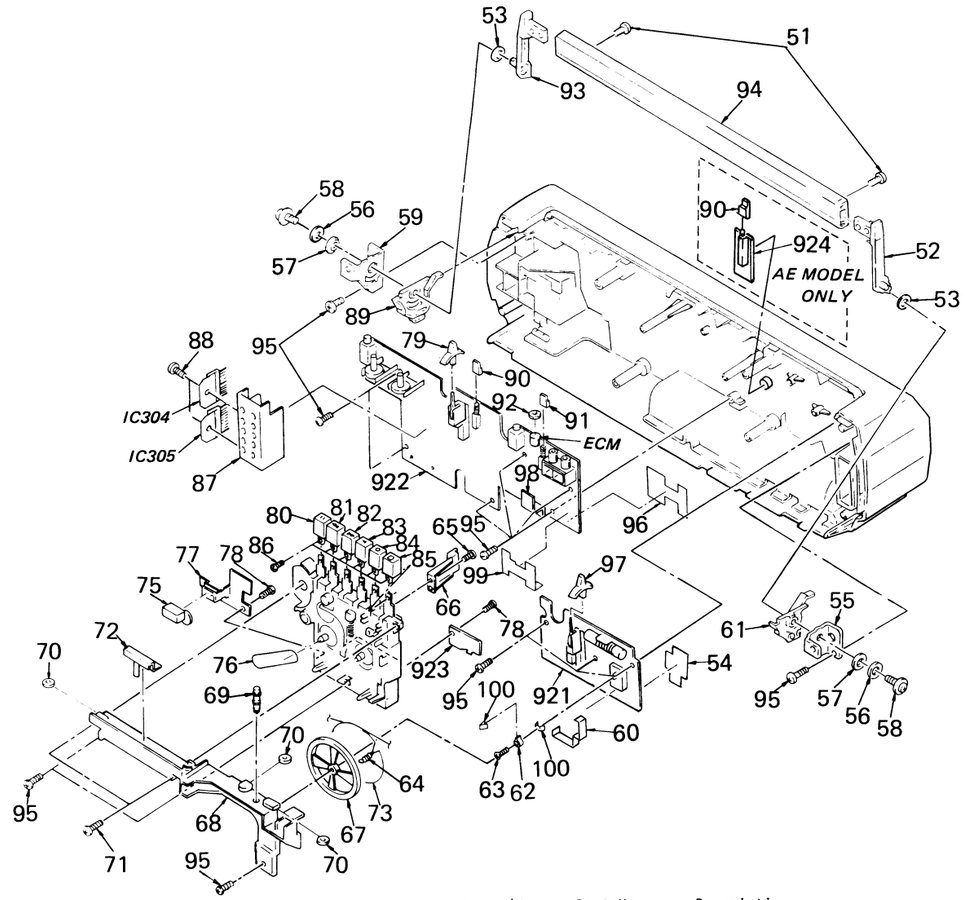
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

(1)



No.	Part No.	Description	Remarks
1	3-334-187-01	SCREW (3X48), TAPPING, + BV	
2	3-642-562-01	(AEP).....SPRING, TENSION	
	3-642-562-11	(US,Canadian,E)..SPRING, TENSION	
3	7-685-135-14	SCREW (M2.6X10), TAPPING, + BV	
4	3-334-152-11	(US,Canadian,E)..GRILLE (RIGHT), PHONE	
	3-334-152-21	(AEP).....GRILLE (RIGHT), PHONE	
5	3-336-829-01	MASK, PHONE	
6	3-334-154-01	NET (RIGHT), HORN	
7	3-336-804-01	MASK, SP	
8	3-334-148-11	(US,Canadian,E)..GRILLE (RIGHT), SP	
	3-334-148-21	(AEP).....GRILLE (RIGHT), SP	
9	3-334-150-01	NET (RIGHT), SP	
10	A-3247-230-A	HOLDER ASSY, CASSETTE	
11	3-334-151-01	NET (LEFT), SP	
12	3-334-149-11	(US,Canadian,E)..GRILLE (LEFT), SP	
	3-334-149-21	(AEP).....GRILLE (LEFT), SP	
14	3-334-155-01	NET (LEFT), HORN	
16	3-334-153-11	(US,Canadian,E)..GRILLE (LEFT), PHONE	
	3-334-153-21	(AEP).....GRILLE (LEFT), PHONE	
17	3-308-309-00	KNOB, VR	
19	3-336-812-11	KNOB (G)(GOLD)	
20	3-336-812-01	KNOB (G)(SILVER)	
21	*3-336-816-01	CHASSIS (G)	
22	3-831-441-XX	CUSHION	
23	3-334-120-01	KNOB, TUNING	
24	3-319-224-01	DAMPER, SMALL	
25	7-687-233-11	SCREW (+ PTPWH) (2.6X6)	
26	3-336-808-01	SPRING, CASSETTE UP	
27	X-3336-807-1	(US,Canadian,E).CABINET ASSY (FRONT)	
	X-3336-808-1	(G-AEP).....CABINET ASSY (FRONT)	
	X-3336-809-1	(AE1).....CABINET ASSY (FRONT)	
28	3-703-707-01	STICKER, SONY SYMBOL (21)	
30	7-685-648-71	SCREW, TAPPING	
901	*A-3260-495-A	MOUNTED PCB, GEQ	
902	⚠1-551-235-21	(E23).....CORD, POWER	
	⚠1-551-521-21	(E12).....CORD, POWER	
	⚠1-555-234-21	(AEP).....CORD, POWER	
	⚠1-556-281-00	(US,Canadian)...CORD, POWER	
SP101	1-503-631-11	SPEAKER	
SP201	1-503-631-11	SPEAKER	

(2)

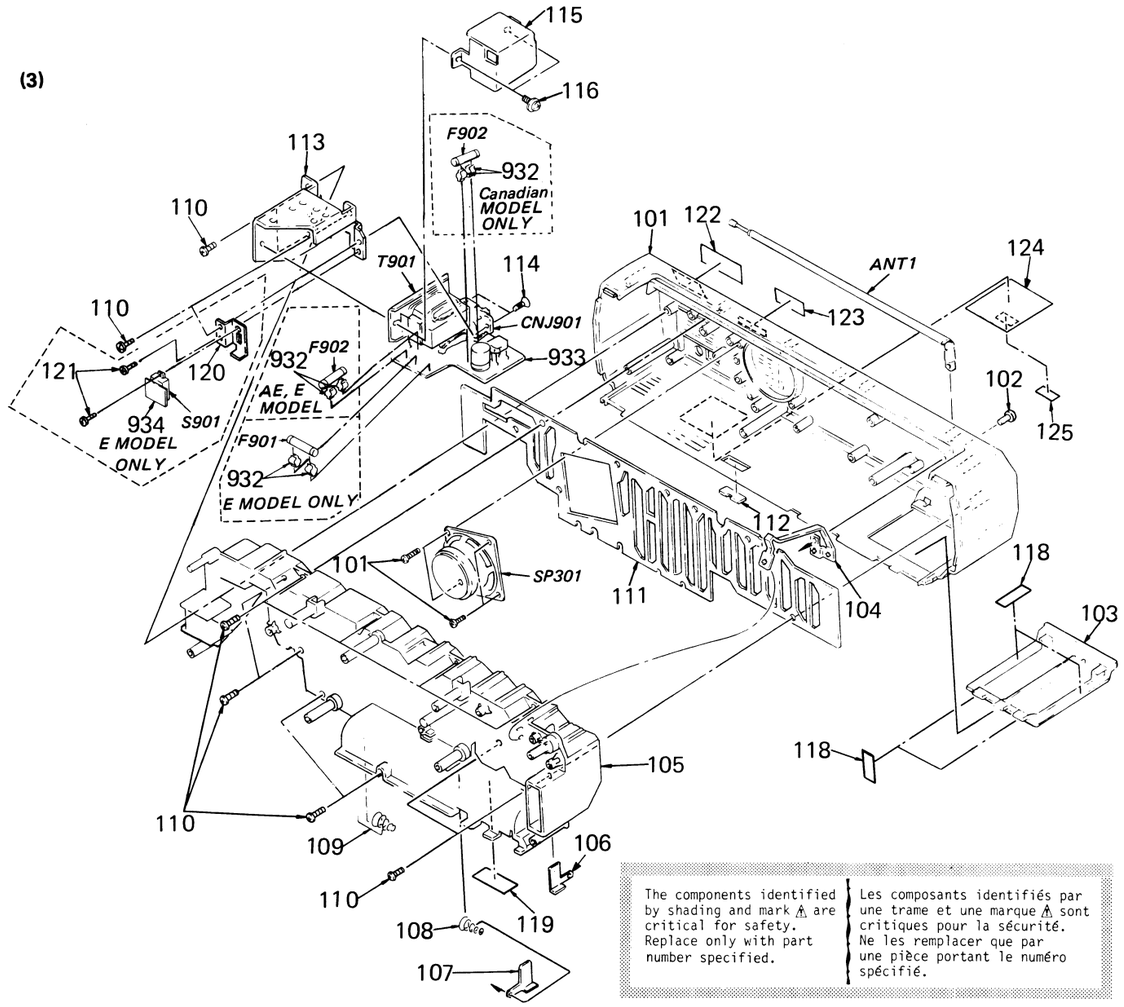


No.	Part No.	Description	Remarks
51	7-685-645-14	SCREW +BVTP 3X6 TYPE2 N-S	
52	3-334-126-01	PLATE (RIGHT), SIDE, HANDLE	
53	3-701-445-01	WASHER	
54	*3-334-199-01	PLATE (T), SHIELD	
55	*3-334-124-01	BRACKET (RIGHT), HANDLE	
56	3-566-528-00	WASHER, FRICTION	
57	3-334-116-01	COLLAR, HANDLE	
58	7-682-904-11	SCREW +PWH 4X8	
59	*3-334-123-01	BRACKET (LEFT), HANDLE	
60	*3-334-198-01	PLATE (F), SHIELD	
61	3-334-134-01	COVER (RIGHT), HANDLE	
62	3-305-625-00	CAP, TUNING CAPACITOR	
63	3-880-990-00	SCREW (1.7X3), FLAT, (+) SPECIAL	
64	3-325-694-01	SPRING, TENSION	
65	7-685-793-04	SCREW +BVTT 2.6X8 (S)	
66	*3-336-806-01	LEVER, REC	
67	*3-325-632-01	DRUM, DIAL	
68	*3-336-815-01	CHASSIS (T)	
69	3-325-618-01	SHAFT, TU	
70	3-564-506-00	PULLEY (A)	
71	7-685-651-14	SCREW +BVTP 3X20 TYPE2	
72	*3-336-803-01	POINTER	
73	9-911-825-42	STRING, 0.5MM WHITE	
75	1-548-599-11	COUNTER, TAPE (SMALL TYPE)	
76	3-530-181-XX	BELT, DETECTING	
77	*3-336-805-01	BRACKET, COUNTER	
78	7-685-133-14	SCREW +BTP 2.6X6 TYPE2 N-S	
79	3-330-650-01	KNOB, BAND SELECTION (LARGE)	
80	3-336-838-01	BUTTON, MD (PAUSE)	
81	3-336-838-11	BUTTON, MD (FF)	
82	3-336-838-21	BUTTON, MD (REW)	
83	3-336-838-31	BUTTON, MD (PLAY)	
84	3-336-838-41	BUTTON, MD (REC)	
85	3-336-838-51	BUTTON, MD (STOP/EJECT)	
86	7-685-790-04	SCREW +PTT 2.6X4 (S)	
87	*3-336-807-01	HEAT SINK	
88	7-682-545-04	SCREW +P 3X4	
89	3-334-135-01	COVER (LEFT), HANDLE	
90	3-336-811-11	PUSH BUTTON	
91	3-336-811-01	PUSH BUTTON	
92	3-323-837-01	CUSHION (E)	
93	3-334-127-01	PLATE (LEFT), SIDE, HANDLE	
94	3-334-125-41	(AEP)....HANDLE	
	3-334-125-51	(US,Canadian,E)...HANDLE	
95	7-685-648-71	SCREW +BVTP 3X12 TYPE2 N-S	
96	*3-336-825-01	PLATE (AR), SHIELD	
97	3-336-831-01	KNOB, BAND SELECTION (SMALL)	
98	*3-336-827-01	REINFORCEMENT	
99	*3-336-826-01	PLATE (AF), SHIELD	
100	3-831-441-XX	CUSHION	
921	*A-3216-089-A	(US,Canadian)...MOUNTED PCB, RADIO	
	*A-3216-096-A	(E).....MOUNTED PCB, RADIO	
	*A-3216-133-A	(G-AEP).....MOUNTED PCB, RADIO	
	*A-3216-144-A	(AE1).....MOUNTED PCB, RADIO	
922	*A-3260-494-A	MOUNTED PCB, MAIN	
923	1-620-195-11	PC BOARD, LEAF SW	
924	1-621-186-11	(AEP)....PC BOARD SWITCH	
IC304	8-759-205-82	IC TA7282AP	
IC305	8-759-205-82	IC TA7282AP	
ECM	1-542-080-11	MICROPHONE BUILT-IN	

(3)

No.	Part No.
101	3-336
101	3-336
102	7-682
103	3-334
104	*3-334
105	*3-336
106	3-334
107	3-334
108	3-334
109	3-334
110	7-685
111	*3-334
112	3-334
113	*3-334
114	7-685
115	*3-334
116	3-703
118	3-831
119	3-327
	3-701
120	3-334
121	7-685
122	*3-703
123	3-703

(3)

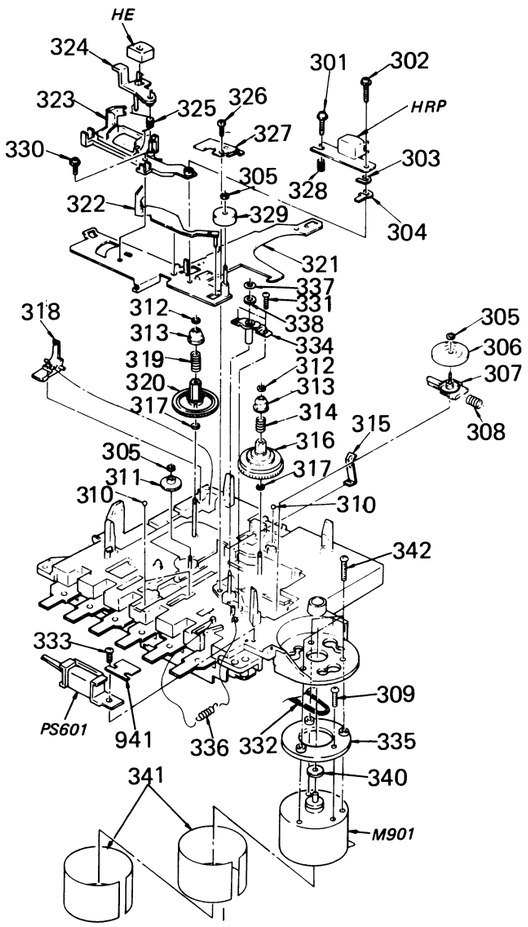


The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

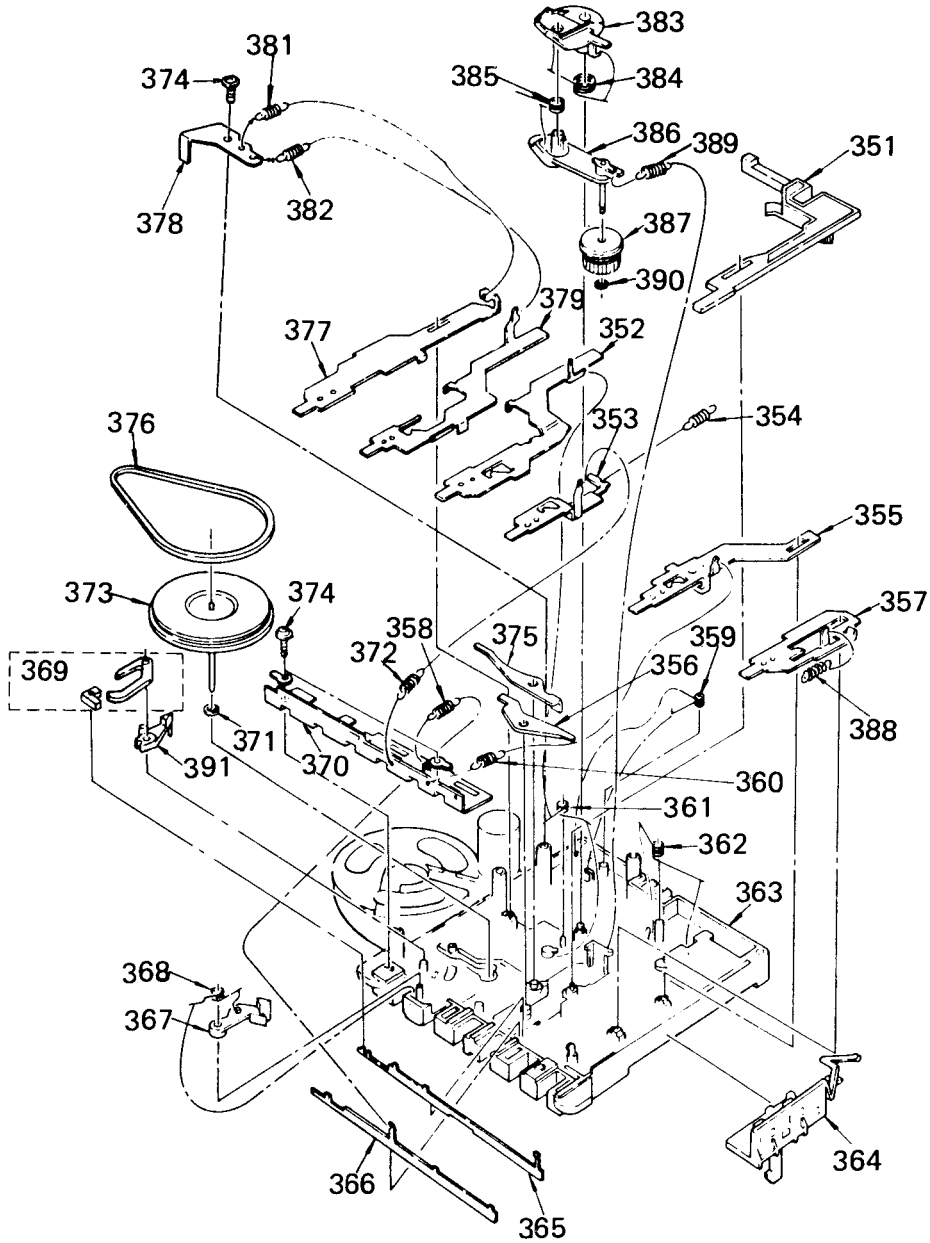
No.	Part No.	Description	Remarks
101	3-336-818-21	(US,Canadian,AEP)...CABINET (REAR)	
101	3-336-818-31	(E)....CABINET REAR	
102	7-682-547-04	SCREW +B 3X6	
103	3-334-137-01	LID, BATTERY CASE	
104	*3-334-113-01	TERMINAL BOARD, ANTENNA	
105	*3-336-819-01	CHASSIS (D)	
106	3-334-107-01	TERMINAL BOARD (LEFT)	
107	3-334-106-01	TERMINAL BOARD (RIGHT)	
108	3-334-114-01	SPRING (A)	
109	3-334-105-01	SPRING (B)	
110	7-685-648-71	SCREW +BVTP 3X12 TYPE2 N-S	
111	*3-334-166-01	SPACER (D1)	
112	3-334-133-01	COVER, ADJUSTMENT	
113	*3-334-136-01	BRACKET, TRANSFORMER	
114	7-685-247-29	SCREW +KTP 3X10 TYPE2 SLIT	
115	*3-334-169-01	PLATE (T), SHIELD	
116	3-703-249-01	SCREW, S TIGHT, +PTTWH 3X6	
118	3-831-441-XX	CUSHION	
119	3-327-213-02	(AEP,E).....LABEL, SERIAL NUMBER	
	3-701-999-00	(Canadian)...LABEL, SERIAL NUMBER	
120	3-334-189-01	(E).....BRACKET, SELECTOR	
121	7-685-646-71	(E).....SCREW +BVTP 3X8 TYPE 2 IT-3	
122	*3-703-456-01	LABEL, AMS LICENSE	
123	3-703-845-01	(US,Canadian,E) ...LABEL (N)(U/C), MAIN CAUTION	
124	3-336-832-01	(Canadian)...LABEL MODEL NUMBER	
	3-336-836-01	(G-AEP).....LABEL MODEL NUMBER	
	3-336-837-01	(AE1).....LABEL MODEL NUMBER	
125	3-336-840-01	(G-AEP)...MARK DBP	
	*3-701-999-00	(US).....LABEL, SERIAL NUMBER	
932	1-533-189-11	(AEP,E)...HOLDER FUSE	
933	*1-620-099-11	(E).....PC BOARD, POWER	
	*1-620-099-21	(AEP).....PC BOARD, POWER	
	*1-620-184-21	(US,Canadian)...PC BOARD, POWER	
934	⚠1-620-096-11	(E)...PC BOARD VOLTAGE CHANGE	
ANT1	1-501-231-00	ANTENNA, TELESCOPIC (FM)	
CNJ901	⚠1-526-796-11	(US,Canadian)...INLET, AC/DC 2P	
CNJ901	⚠1-526-797-11	(AEP,E).....INLET, AC/DC 2P	
F901	⚠1-532-284-11	(E)....FUSE, TIME-LAG 0.63A	
F902	⚠1-532-350-11	(AEP,E).....FUSE, TIME-LAG 4A	
F902	⚠1-532-747-11	(Canadian)...FUSE, GLASS TUBE 5A	
S901	⚠1-554-752-11	(E).....SWITCH VOLTAGE SELECTOR	
SP301	1-503-632-11	SPEAKER (BASS)	
T901	⚠1-448-672-11	(Canadian)...TRANSFORMER, POWER	
T901	⚠1-448-673-11	(AEP).....TRANSFORMER, POWER	
T901	⚠1-448-674-11	(E).....TRANSFORMER, POWER	
T901	⚠1-448-708-11	(US).....TRANSFORMER, POWER	

(4)



No.	Part No.	Description	Remarks
301	3-701-465-00	SCREW, LOCK	
302	7-621-772-40	SCREW +B 2X8	
303	3-578-138-01	SEAM	
	3-578-138-11	SEAM	
	3-578-138-21	SEAM	
304	3-331-108-01	LUG (T), SEAM	
	3-331-108-11	LUG (T), SEAM	
	3-331-108-21	LUG (T), SEAM	
	3-331-108-31	LUG (T), SEAM	
	3-331-108-41	LUG (T), SEAM	
305	3-307-948-01	WASHER, NYLON	
306	X-3313-307-0	PULLEY ASSY, FWD	
307	X-3313-301-0	BRACKET ASSY, T PULLEY	
308	3-573-464-00	SPRING, COMPRESSION	
309	7-621-259-25	SCREW +P 2.6X4	
310	7-671-112-11	BALL, STEEL	
311	3-558-620-11	GEAR, REWIND	
312	3-558-708-01	WASHER, STOPPER	
313	3-313-333-00	CLAW, REEL	
314	3-324-213-01	SPRING, COMPRESSION	
315	3-313-902-00	SPRING, CASSETTE	
316	A-3130-031-B	T REEL ASSY	
317	3-701-437-21	WASHER	
318	3-313-357-00	CLAW, REC PREVENTION	
319	3-313-344-00	SPRING, COMPRESSION (S REEL)	
320	3-313-305-00	TABLE, REEL, SUPPLY	
321	X-3313-311-1	CHASSIS ASSY (HEAD)	
322	3-313-316-00	PULLEY	
323	3-334-717-01	BRACKET (M), HEAD	
324	3-313-361-00	ARM, ERASE HEAD	
325	3-313-339-00	SPRING, ARM ERASE HEAD	
326	3-324-220-01	SCREW (B2.6), TAPPING	
327	*3-332-309-01	SPRING, RETAINER HEAD, B	
328	3-313-340-00	SPRING, COMPRESSION (AZIMUTH)	
329	3-703-597-41	PINCH ROLLER, STANDARD	
330	7-621-955-35	SCREW (2MMX5), + PWH	
331	3-318-203-71	SCREW (B1.7X5), TAPPING	
332	3-313-335-00	BELT, CAPSTAN	
333	7-685-105-14	SCREW (2X8), + PTPWH	
334	X-3319-945-1	BEARING ASSY, CAPSTAN	
335	3-330-679-01	BRACKET (M), MOTOR	
336	3-313-343-00	SPRING, TENSION	
337	3-307-948-41	WASHER, NYLON	
338	3-701-438-11	WASHER, 2.5	
340	X-3313-308-1	PULLEY, MOTOR	
341	*3-319-940-01	PLATE, SHIELD, MOTOR	
342	3-324-219-01	SCREW, PAN	
941	*1-602-735-00	PC BOARD, SOLENOID	
HE	8-658-096-02	HEAD, ERASE EBF5-36	
HRP	1-543-319-11	HEAD, MAGNETIC (REC/PB)	
M901	1-541-262-11	MOTOR	
PS601	1-454-355-00	SOLENOID, PLUNGER	

(5)



No.	Part No.	Description	Remarks
351	3-313-356-00	BRAKE	
352	*3-313-354-00	LEVER, REW BUTTON	
353	*3-313-326-00	LEVER, FWD BUTTON	
354	3-313-342-00	SPRING, TENSION (FWD BUTTON LEVER)	
355	*3-313-350-00	LEVER, REC BUTTON	
356	*3-313-321-00	LEVER, PREVENTION, RFR	
357	*3-313-325-00	LEVER, STOP BUTTON	
358	3-313-331-00	SPRING, PLATE LOCK	
359	3-313-378-01	SPRING PAUSE LOCK (A)	
361	3-313-338-00	SPRING, RETURN REW BUTTON LEVER	
362	3-313-327-00	SPRING, BRAKE	
363	A-3102-059-A	CHASSIS ASSY	
364	3-313-380-01	CLAW (A), EJECT	
365	*3-313-352-00	PLATE (B), LOCK	
366	*3-313-351-00	PLATE (A), LOCK	
367	3-313-322-02	LEVER (A), S.OFF	
368	3-313-323-00	SPRING, S OFF LEVER (A)	
369	*3-313-337-00	CHIP, JOINT, S.OFF	
370	*3-313-359-00	RETAINER, LEVER	
371	3-701-438-11	WASHER, 2.5	

No.	Part No.	Description	Remarks
372	3-313-369-00	SPRING, TENSION (FWD BUTTON LEVER)	
373	A-3109-024-A	FLYWHEEL ASSY	
374	7-687-233-11	SCREW (+ PTPWH) (2.6X6)	
375	*3-313-320-00	LEVER, RCP	
376	3-313-335-00	BELT, CAPSTAN	
377	*3-313-381-01	LEVER (B), PAUSE BUTTON	
378	*3-332-310-01	HOOK, SPRING	
379	*3-313-353-00	LEVER, FF BUTTON	
381	3-313-349-00	SPRING, TENSION (PAUSE BUTTON LEVER)	
382	3-313-348-00	SPRING, TENSION (FF BUTTON LEVER)	
383	3-313-314-00	LEVER (SI), FR	
384	3-313-315-00	SPRING, IDLER PRESS (FF)	
385	3-313-313-00	SPRING, IDLER PRESS (REW)	
386	X-3313-304-0	ARM ASSY, REW	
387	X-3313-310-1	IDLER ASSY, FR	
388	3-313-384-01	SPRING, TENSION	
389	3-313-365-00	SPRING, TENSION (FR LEVER SI)	
390	3-558-708-01	WASHER, STOPPER	
391	X-3313-306-0	LEVER (B) ASSY, SHUT-OFF	

SECTION 6
ELECTRICAL PARTS LIST

NOTE:
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuitsin a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms.
- F : nonflammable

COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
901	*A-3260-495-A	MOUNTED PCB, GEQ
902	⚠1-551-235-21	(E23)...CORD, POWER
	⚠1-551-521-21	(E12)...CORD, POWER
	⚠1-555-234-21	(AEP)...CORD, POWER
	⚠1-556-281-00	(US,Canadian)...CORD, POWER
921	*A-3216-089-A	(US,Canadian)...MOUNTED PCB, RADIO
	*A-3216-096-A	(E).....MOUNTED PCB, RADIO
	*A-3216-133-A	(G-AEP).....MOUNTED PCB, RADIO
	*A-3216-144-A	(AE1).....MOUNTED PCB, RADIO
922	*A-3260-494-A	MOUNTED PCB, MAIN
923	1-620-195-11	PC BOARD, LEAF SW
924	1-621-186-11	(AEP)....PC BOARD SWITCH
932	1-533-189-11	(AEP,E)...HOLDER FUSE
933	*1-620-099-11	(E).....PC BOARD, POWER
	*1-620-099-21	(AEP).....PC BOARD, POWER
	*1-620-184-21	(US,Canadian)...PC BOARD, POWER
934	1-620-096-11	(E)...PC BOARD VOLTAGE CHANGE
941	*1-602-735-00	PC BOARD,SOLENOID
ANT1	1-501-231-00	ANTENNA, TELESCOPIC (FM)
C1	1-162-207-31	CERAMIC 22PF 5% 50V
C2	1-162-294-31	CERAMIC 0.001MF 10% 50V
C3	1-162-203-31	(EXCEPT G-AEP)...CERAMIC 15PF 5% 50V
C3	1-162-207-31	(G-AEP).....CERAMIC 22PF 5% 50V
C4	1-162-195-31	CERAMIC 4.7PF 10% 50V
C5	1-162-294-31	CERAMIC 0.001MF 10% 50V
C6	1-162-306-31	CERAMIC 0.01MF 30% 16V
C7	1-162-203-31	CERAMIC 15PF 5% 50V
C8	1-101-980-00	(G-AEP)....CERAMIC 20PF 5% 50V
C8	1-102-639-00	(US,Canadian)..CERAMIC 16PF 5% 50V
C8	1-102-855-00	(AE1,E)....CERAMIC 15PF 5% 50V
C9	1-162-197-31	(US,Canadian)..CERAMIC 6.8PF 10% 50V
C9	1-162-266-11	(AEP,E)...CERAMIC 8.2PF 10% 50V
C13	1-162-306-31	CERAMIC 0.01MF 30% 16V
C24	1-162-306-31	CERAMIC 0.01MF 30% 16V
C25	1-162-306-31	CERAMIC 0.01MF 30% 16V
C26	1-161-057-00	CERAMIC 0.033MF 10% 25V
C27	1-162-197-31	CERAMIC 6.8PF 10% 50V
C28	1-124-907-00	ELECT 10MF 20% 50V
C29	1-162-306-31	CERAMIC 0.01MF 30% 16V
C30	1-162-306-31	CERAMIC 0.01MF 30% 16V
C31	1-102-965-00	CERAMIC 39PF 5% 50V
C32	1-124-468-11	ELECT 100MF 20% 6.3V
C33	1-162-306-31	CERAMIC 0.01MF 30% 16V
C34	1-124-907-00	ELECT 10MF 20% 50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C35	1-162-306-31	CERAMIC 0.01MF 30% 16V
C37	1-162-282-31	CERAMIC 100PF 10% 50V
C38	1-161-056-00	CERAMIC 0.027MF 10% 25V
C39	1-162-561-11	CERAMIC 0.1MF 16V
C40	1-162-282-31	CERAMIC 100PF 10% 50V
C41	1-124-902-00	ELECT 0.47MF 20% 50V
C42	1-124-903-00	ELECT 1MF 20% 50V
C43	1-124-903-00	ELECT 1MF 20% 50V
C44	1-124-905-11	ELECT 3.3MF 20% 50V
C45	1-136-141-00	FILM 0.001MF 5% 50V
C46	1-124-905-11	ELECT 3.3MF 20% 50V
C47	1-124-892-11	ELECT 47MF 20% 10V
C48	1-161-054-00	(AEP,E)...CERAMIC 0.018MF 10% 25V
C48	1-161-055-00	(US,Canadian)...CERAMIC 0.022MF 10% 25V
C49	1-161-054-00	(AEP,E)...CERAMIC 0.018MF 10% 25V
C49	1-161-055-00	(US,Canadian)...CERAMIC 0.022MF 10% 25V
C50	1-124-903-00	ELECT 1MF 20% 50V
C51	1-124-903-00	ELECT 1MF 20% 50V
C52	1-124-468-11	ELECT 100MF 20% 6.3V
C55	1-124-907-00	ELECT 10MF 20% 50V
C58	1-162-187-31	CERAMIC 1PF 20% 50V
C101	1-162-292-31	CERAMIC 680PF 10% 50V
C102	1-124-907-00	ELECT 10MF 20% 50V
C103	1-162-282-31	CERAMIC 100PF 10% 50V
C104	1-124-892-11	ELECT 47MF 20% 10V
C105	1-161-055-00	CERAMIC 0.022MF 10% 25V
C106	1-161-053-00	CERAMIC 0.015MF 10% 25V
C107	1-124-905-11	ELECT 3.3MF 20% 50V
C108	1-124-927-11	ELECT 4.7MF 20% 50V
C109	1-162-294-31	CERAMIC 0.001MF 10% 50V
C110	1-124-892-11	ELECT 47MF 20% 10V
C111	1-130-770-00	FILM 0.15MF 10% 63V
C112	1-161-053-00	CERAMIC 0.015MF 10% 25V
C113	1-162-302-31	CERAMIC 0.0022MF 30% 16V
C114	1-161-023-00	CERAMIC 0.068MF 10% 25V
C115	1-124-903-00	ELECT 1MF 20% 50V
C116	1-162-282-31	CERAMIC 100PF 10% 50V
C117	1-124-903-00	ELECT 1MF 20% 50V
C118	1-124-927-11	ELECT 4.7MF 20% 50V
C119	1-162-294-31	CERAMIC 0.001MF 10% 50V
C120	1-124-892-11	ELECT 47MF 20% 10V
C121	1-124-443-00	ELECT 100MF 20% 10V
C122	1-130-770-00	FILM 0.15MF 10% 63V
C123	1-124-555-00	ELECT 1000MF 20% 16V
C124	1-124-927-11	ELECT 4.7MF 20% 50V
C125	1-161-058-00	CERAMIC 0.039MF 10% 25V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C126	1-123-902-00	ELECT	0.68MF	20%	50V
C127	1-162-306-31	CERAMIC	0.01MF	30%	16V
C128	1-123-608-00	ELECT	0.22MF	20%	50V
C129	1-162-304-31	CERAMIC	0.0047MF	30%	16V
C130	1-161-059-00	CERAMIC	0.047MF	10%	25V
C131	1-162-294-31	CERAMIC	0.001MF	10%	50V
C132	1-161-494-00	CERAMIC	0.022MF	30%	25V
C133	1-162-289-31	CERAMIC	390PF	10%	50V
C134	1-162-305-31	CERAMIC	0.0068MF	30%	16V
C135	1-162-282-31	CERAMIC	100PF	10%	50V
C136	1-162-294-31	CERAMIC	0.001MF	10%	50V
C137	1-124-481-11	ELECT	22MF	20%	25V
C138	1-124-903-00	ELECT	1MF	20%	50V
C139	1-162-282-31	CERAMIC	100PF	10%	50V
C140	1-162-282-31	CERAMIC	100PF	10%	50V
C141	1-124-902-00	ELECT	0.47MF	20%	50V
C201	1-162-292-31	CERAMIC	680PF	10%	50V
C202	1-124-907-00	ELECT	10MF	20%	50V
C203	1-162-282-31	CERAMIC	100PF	10%	50V
C204	1-124-892-11	ELECT	47MF	20%	10V
C205	1-161-055-00	CERAMIC	0.022MF	10%	25V
C206	1-161-053-00	CERAMIC	0.015MF	10%	25V
C207	1-124-905-11	ELECT	3.3MF	20%	50V
C208	1-124-927-11	ELECT	4.7MF	20%	50V
C209	1-162-294-31	CERAMIC	0.001MF	10%	50V
C210	1-124-892-11	ELECT	47MF	20%	10V
C211	1-130-770-00	FILM	0.15MF	10%	63V
C212	1-161-053-00	CERAMIC	0.015MF	10%	25V
C213	1-162-302-31	CERAMIC	0.0022MF	30%	16V
C214	1-161-023-00	CERAMIC	0.068MF	10%	25V
C215	1-124-903-00	ELECT	1MF	20%	50V
C216	1-162-282-31	CERAMIC	100PF	10%	50V
C217	1-124-903-00	ELECT	1MF	20%	50V
C218	1-124-927-11	ELECT	4.7MF	20%	50V
C219	1-162-294-31	CERAMIC	0.001MF	10%	50V
C220	1-124-892-11	ELECT	47MF	20%	10V
C221	1-124-443-00	ELECT	100MF	20%	10V
C222	1-130-770-00	FILM	0.15MF	10%	63V
C223	1-124-555-00	ELECT	1000MF	20%	16V
C224	1-123-616-00	ELECT	4.7MF	20%	25V
C225	1-161-058-00	CERAMIC	0.039MF	10%	25V
C226	1-123-902-00	ELECT	0.68MF	20%	50V
C227	1-162-306-31	CERAMIC	0.01MF	30%	16V
C228	1-123-608-00	ELECT	0.22MF	20%	50V
C229	1-162-304-31	CERAMIC	0.0047MF	30%	16V
C230	1-161-059-00	CERAMIC	0.047MF	10%	25V
C231	1-162-294-31	CERAMIC	0.001MF	10%	50V
C232	1-161-494-00	CERAMIC	0.022MF	30%	25V
C233	1-162-289-31	CERAMIC	390PF	10%	50V
C234	1-162-305-31	CERAMIC	0.0068MF	30%	16V
C235	1-162-282-31	CERAMIC	100PF	10%	50V
C236	1-162-294-31	CERAMIC	0.001MF	10%	50V
C237	1-123-622-00	ELECT	22MF	20%	16V
C238	1-124-903-00	ELECT	1MF	20%	50V
C239	1-162-282-31	CERAMIC	100PF	10%	50V
C240	1-162-282-31	CERAMIC	100PF	10%	50V
C241	1-124-902-00	ELECT	0.47MF	20%	50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C301	1-161-023-00	CERAMIC	0.068MF	10%	25V
C302	1-123-608-00	ELECT	0.22MF	20%	50V
C303	1-124-443-00	ELECT	100MF	20%	10V
C304	1-124-902-00	ELECT	0.47MF	20%	50V
C305	1-124-443-00	ELECT	100MF	20%	10V
C306	1-162-294-31	CERAMIC	0.001MF	10%	50V
C307	1-124-903-00	ELECT	1MF	20%	50V
C308	1-130-479-00	MYLAR	0.0047MF	5%	50V
C309	1-130-482-00	MYLAR	0.0082MF	5%	50V
C310	1-124-444-00	ELECT	220MF	20%	10V
C311	1-124-443-00	ELECT	100MF	20%	10V
C312	1-124-904-00	ELECT	2.2MF	20%	50V
C314	1-161-059-00	CERAMIC	0.047MF	10%	25V
C315	1-130-768-00	FILM	0.1MF	10%	63V
C316	1-124-902-00	ELECT	0.47MF	20%	50V
C317	1-124-905-11	ELECT	3.3MF	20%	50V
C318	1-124-904-00	ELECT	2.2MF	20%	50V
C319	1-124-896-00	ELECT	33MF	20%	16V
C320	1-124-444-00	ELECT	220MF	20%	10V
C321	1-161-059-00	CERAMIC	0.047MF	10%	25V
C322	1-162-294-31	CERAMIC	0.001MF	10%	50V
C323	1-161-057-00	CERAMIC	0.033MF	10%	25V
C324	1-130-768-00	FILM	0.1MF	10%	63V
C325	1-161-056-00	CERAMIC	0.027MF	10%	25V
C326	1-161-045-00	CERAMIC	0.0033MF	10%	25V
C327	1-124-907-00	ELECT	10MF	20%	50V
C328	1-124-444-00	ELECT	220MF	20%	10V
C329	1-124-481-11	ELECT	22MF	20%	25V
C330	1-124-481-11	ELECT	22MF	20%	25V
C331	1-162-282-31	CERAMIC	100PF	10%	50V
C332	1-124-907-00	ELECT	10MF	20%	50V
C333	1-124-903-00	ELECT	1MF	20%	50V
C334	1-162-294-31	CERAMIC	0.001MF	10%	50V
C335	1-124-443-00	ELECT	100MF	20%	10V
C336	1-124-443-00	ELECT	100MF	20%	10V
C337	1-124-119-00	ELECT	330MF	20%	16V
C338	1-123-321-00	ELECT	220MF	20%	16V
C339	1-130-770-00	FILM	0.15MF	10%	63V
C340	1-130-770-00	FILM	0.15MF	10%	63V
C341	1-124-443-00	ELECT	100MF	20%	10V
C342	1-124-443-00	ELECT	100MF	20%	10V
C343	1-123-321-00	ELECT	220MF	20%	16V
C344	1-123-321-00	ELECT	220MF	20%	16V
C345	1-124-907-00	ELECT	10MF	20%	50V
C346	1-124-443-00	ELECT	100MF	20%	10V
C347	1-124-472-11	ELECT	470MF	20%	10V
C348	1-162-306-31	CERAMIC	0.01MF	20%	16V
C349	1-162-306-31	CERAMIC	0.01MF	20%	16V
C350	1-123-822-00	ELECT	47MF	20%	10V
C351	1-123-321-00	ELECT	220MF	20%	16V
C601	1-101-004-00	CERAMIC	0.01MF		50V
C901	⚠1-124-898-11	ELECT	4700MF	20%	16V
C902	⚠1-101-004-00	CERAMIC	0.01MF		50V
C903	⚠1-101-004-00	CERAMIC	0.01MF		50V
C904	⚠1-101-004-00	CERAMIC	0.01MF		50V
CF1	1-567-198-71	FILTER, CERAMIC			
CF2	1-567-670-11	FILTER, CERAMIC			

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
CN2	*1-564-760-11	PIN, CONNECTOR 5P
CN5	*1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P
CNJ5	1-563-403-11	HOUSING, CONNECTOR 6P
CNJ6	1-563-401-11	HOUSING, CONNECTOR 4P
CNJ9	*1-562-646-11	SOCKET, CONNECTOR 4P
CNJ10	1-562-644-11	SOCKET, CONNECTOR 2P
CNJ12	1-563-406-11	HOUSING, CONNECTOR 9P
CNJ13	*1-562-366-00	HOUSING, CONNECTOR 9P
CNJ14	1-562-128-00	SOCKET, CONNECTOR 6P
CNJ901 ⚠	1-526-796-11	(US,Canadian)...INLET, AC/DC 2P
CNJ901 ⚠	1-526-797-11	(AEP,E).....INLET, AC/DC 2P
CNP2	*1-506-963-11	PIN, CONNECTOR 5P
CNP3	*1-506-960-11	PIN, CONNECTOR 2P
CNP5	*1-506-964-11	PIN, CONNECTOR 6P
CNP6	*1-506-962-11	PIN, CONNECTOR 4P
CNP8	*1-506-962-11	PIN, CONNECTOR 4P
CNP12	*1-506-967-11	PIN, CONNECTOR 9P
CV1	1-151-531-11	CAP, VAR, POLYETHYLENE
D1	8-719-911-19	DIODE 1SS119
D2	8-719-911-19	DIODE 1SS119
D3	8-719-768-71	DIODE 1S2687S-1
D5	8-719-911-19	DIODE 1SS119
D101	8-719-911-19	DIODE 1SS119
D201	8-719-911-19	DIODE 1SS119
D302	8-719-101-63	DIODE RD6.8EL1
D501	8-719-919-04	DIODE GL9PR4 (OPR/BATT)
D502	8-719-919-04	DIODE GL9PR4 (FM ST)
D901 ⚠	8-719-503-06	DIODE S3WB60Z
ECM	1-542-080-11	MICROPHONE, BUILT-IN
F901 ⚠	1-532-284-11	(E)...FUSE, TIME-LAG 0.63A
F902 ⚠	1-532-350-11	(AEP,E)...FUSE, TIME-LAG 4A
F902 ⚠	1-532-747-11	(Canadian)...FUSE, GLASS TUBE 5A
FL1	1-235-142-00	FILTER, BAND PASS
HE	8-658-096-02	HEAD, ERASE EBF5-36
HRP	1-543-319-11	HEAD, MAGNETIC (REC/PB)
IC1	8-759-204-03	IC TA7358AP
IC3	8-759-801-24	IC LA1260S
IC4	8-759-203-87	IC TA7343AP
IC101	8-759-801-23	IC LA3600
IC201	8-759-801-23	IC LA3600
IC301	8-759-800-66	IC LA3161
IC302	8-759-800-71	IC LA2010
IC303	8-759-602-70	IC M51544AL
IC304	8-759-205-82	IC TA7282AP
IC305	8-759-205-82	IC TA7282AP
J301	1-507-643-00	JACK (EXT MIC)
J302	1-507-500-31	JACK, PIN 2P (LINE IN)
J303	1-507-948-11	JACK (PHONES)
L2	1-459-520-11	COIL (WITH CORE)
L3	1-459-418-00	COIL (WITH CORE)
L6	1-402-153-11	ANTENNA, FERRITE-ROD (MW)
L101	1-408-908-11	MICRO INDUCTOR 0.47MMH
L201	1-408-908-11	MICRO INDUCTOR 0.47MMH

ELECTRICAL PARTS

Ref.No.	Part No.	Description
M901	1-541-262-11	MOTOR
PS601	1-454-355-00	SOLENOID, PLUNGER
Q1	8-729-672-42	TRANSISTOR 2SC2724-C
Q101	8-729-100-13	TRANSISTOR 2SC2001
Q102	8-729-606-33	TRANSISTOR 2SC2603-F
Q103	8-729-606-33	TRANSISTOR 2SC2603-F
Q201	8-729-100-13	TRANSISTOR 2SC2001
Q202	8-729-606-33	TRANSISTOR 2SC2603-F
Q203	8-729-606-33	TRANSISTOR 2SC2603-F
Q301	8-729-606-33	TRANSISTOR 2SC2603-F
Q302	8-729-900-63	TRANSISTOR DTA124ES
Q303	8-729-811-24	TRANSISTOR 2SD1012
Q304	8-729-606-33	TRANSISTOR 2SC2603-F
Q305	8-729-606-33	TRANSISTOR 2SC2603-F
Q306	8-729-606-33	TRANSISTOR 2SC2603-F
Q307	8-729-100-13	TRANSISTOR 2SC2001
Q308	8-729-900-63	TRANSISTOR DTA124ES
Q309	8-729-177-32	TRANSISTOR 2SD773
Q310	8-729-606-33	TRANSISTOR 2SC2603-F
Q311	8-729-606-33	TRANSISTOR 2SC2603-F

R1	1-249-417-11	CARBON	1K	5%	1/6W
R2	1-247-845-00	CARBON	3.9K	5%	1/6W
R3	1-249-405-11	CARBON	100	5%	1/6W
R4	1-249-441-11	CARBON	100K	5%	1/6W
R5	1-249-417-11	CARBON	1K	5%	1/6W
R6	1-247-791-00	CARBON	22	5%	1/6W
R14	1-247-883-00	CARBON	150K	5%	1/6W
R15	1-247-819-00	CARBON	330	5%	1/6W
R16	1-249-417-11	CARBON	1K	5%	1/6W
R17	1-247-851-00	CARBON	6.8K	5%	1/6W
R19	1-249-415-11	CARBON	680	5%	1/6W
R20	1-249-423-11	CARBON	3.3K	5%	1/6W
R21	1-247-851-00	CARBON	6.8K	5%	1/6W
R22	1-249-417-11	CARBON	1K	5%	1/6W
R23	1-249-441-11	CARBON	100K	5%	1/6W
R24	1-249-417-11	CARBON	1K	5%	1/6W
R25	1-249-429-11	CARBON	10K	5%	1/6W
R26	1-247-821-00	CARBON	390	5%	1/6W
R27	1-247-887-00	CARBON	220K	5%	1/6W
R28	1-249-423-11	CARBON	3.3K	5%	1/6W
R29	1-249-423-11	CARBON	3.3K	5%	1/6W
R30	1-249-434-11	CARBON	27K	5%	1/6W
R31	1-249-434-11	CARBON	27K	5%	1/6W
R32	1-249-422-11	CARBON	2.7K	5%	1/6W
R33	1-249-422-11	CARBON	2.7K	5%	1/6W
R34	1-249-434-11	CARBON	27K	5%	1/6W
R35	1-249-434-11	CARBON	27K	5%	1/6W
R36	1-247-791-00	(US,Canadian,E)..CARBON	22	5%	1/6W
R36	1-249-399-51	(AEP).....CARBON	33	5%	1/6W
R37	1-247-791-00	CARBON	22	5%	1/6W
R38	1-249-420-11	CARBON	1.8K	5%	1/6W
R101	1-249-405-11	CARBON	100	5%	1/6W
R102	1-247-881-00	CARBON	120K	5%	1/6W
R103	1-249-423-11	CARBON	3.3K	5%	1/6W
R104	1-247-819-00	CARBON	330	5%	1/6W

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ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R105	1-249-437-11	CARBON	47K	5%	1/6W	
R106	1-249-425-11	CARBON	4.7K	5%	1/6W	
R107	1-249-405-11	RES, CARBON	100	5%	1/6W	
R108	1-249-414-11	CARBON	560	5%	1/6W	
R109	1-249-437-11	CARBON	47K	5%	1/6W	
R110	1-249-425-11	CARBON	4.7K	5%	1/6W	
R111	1-249-434-11	CARBON	27K	5%	1/6W	
R112	1-247-869-00	CARBON	39K	5%	1/6W	
R113	1-247-845-00	CARBON	3.9K	5%	1/6W	
R114	1-249-429-11	CARBON	10K	5%	1/6W	
R115	1-249-437-11	CARBON	47K	5%	1/6W	
R116	1-249-417-11	CARBON	1K	5%	1/6W	
R117	1-247-813-00	CARBON	180	5%	1/6W	
R118	1-249-405-11	RES, CARBON	100	5%	1/6W	
R119	1-247-785-00	CARBON	12	5%	1/6W	
R120	1-247-845-00	CARBON	3.9K	5%	1/6W	
R121	1-249-422-11	CARBON	2.7K	5%	1/6W	
R122	1-247-823-00	CARBON	470	5%	1/6W	
R123	1-247-899-00	CARBON	680K	5%	1/6W	
R124	1-249-422-11	CARBON	2.7K	5%	1/6W	
R125	1-249-417-11	CARBON	1K	5%	1/6W	
R126	1-249-433-11	CARBON	22K	5%	1/6W	
R127	1-247-793-00	CARBON	27	5%	1/6W	
R128	⚠1-249-385-11	CARBON	2.2	5%	1/6W	F
R129	1-247-849-00	CARBON	5.6K	5%	1/6W	
R130	1-247-809-00	CARBON	120	5%	1/6W	
R131	1-249-441-11	CARBON	100K	5%	1/6W	
R132	1-247-857-00	CARBON	12K	5%	1/6W	
R133	1-249-425-11	CARBON	4.7K	5%	1/6W	
R201	1-249-405-11	CARBON	100	5%	1/6W	
R202	1-247-881-00	CARBON	120K	5%	1/6W	
R203	1-249-423-11	CARBON	3.3K	5%	1/6W	
R204	1-247-819-00	CARBON	330	5%	1/6W	
R205	1-249-437-11	CARBON	47K	5%	1/6W	
R206	1-249-425-11	CARBON	4.7K	5%	1/6W	
R207	1-249-405-11	RES, CARBON	100	5%	1/6W	
R208	1-249-414-11	CARBON	560	5%	1/6W	
R209	1-249-437-11	CARBON	47K	5%	1/6W	
R210	1-249-425-11	CARBON	4.7K	5%	1/6W	
R211	1-249-434-11	CARBON	27K	5%	1/6W	
R212	1-247-869-00	CARBON	39K	5%	1/6W	
R213	1-247-845-00	CARBON	3.9K	5%	1/6W	
R214	1-249-429-11	CARBON	10K	5%	1/6W	
R215	1-249-437-11	CARBON	47K	5%	1/6W	
R216	1-249-417-11	CARBON	1K	5%	1/6W	
R217	1-247-813-00	CARBON	180	5%	1/6W	
R218	1-249-405-11	CARBON	100	5%	1/6W	
R219	1-247-785-00	CARBON	12	5%	1/6W	
R220	1-247-845-00	CARBON	3.9K	5%	1/6W	
R221	1-249-422-11	CARBON	2.7K	5%	1/6W	
R222	1-247-823-00	CARBON	470	5%	1/6W	
R223	1-247-899-00	CARBON	680K	5%	1/6W	
R224	1-249-422-11	CARBON	2.7K	5%	1/6W	
R225	1-249-417-11	CARBON	1K	5%	1/6W	
R226	1-249-433-11	CARBON	22K	5%	1/6W	
R227	1-247-793-00	CARBON	27	5%	1/6W	
R228	⚠1-249-385-11	CARBON	2.2	5%	1/6W	F

ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R229	1-247-849-00	CARBON	5.6K	5%	1/6W	
R230	1-247-809-00	CARBON	120	5%	1/6W	
R231	1-249-441-11	CARBON	100K	5%	1/6W	
R232	1-247-857-00	CARBON	12K	5%	1/6W	
R233	1-249-425-11	CARBON	4.7K	5%	1/6W	
R301	1-249-405-11	CARBON	100	5%	1/6W	
R302	1-247-828-00	CARBON	750	5%	1/6W	
R303	1-247-849-00	CARBON	5.6K	5%	1/6W	
R304	1-249-405-11	CARBON	100	5%	1/6W	
R306	1-247-895-00	CARBON	470K	5%	1/6W	
R307	1-247-783-00	CARBON	10	5%	1/6W	
R308	1-249-425-11	CARBON	4.7K	5%	1/6W	
R309	1-249-405-11	CARBON	100	5%	1/6W	
R310	1-247-839-00	CARBON	2.2K	5%	1/6W	
R311	1-249-405-11	CARBON	100	5%	1/6W	
R312	1-247-875-00	CARBON	68K	5%	1/6W	
R313	1-247-787-00	CARBON	15	5%	1/6W	
R314	1-247-801-00	CARBON	56	5%	1/6W	
R315	1-247-783-00	CARBON	10	5%	1/6W	
R316	1-247-857-00	CARBON	12K	5%	1/6W	
R317	1-247-897-00	CARBON	560K	5%	1/6W	
R318	1-249-441-11	CARBON	100K	5%	1/6W	
R319	1-247-819-00	CARBON	330	5%	1/6W	
R320	1-249-435-11	CARBON	33K	5%	1/6W	
R321	1-249-405-11	CARBON	100	5%	1/6W	
R322	1-247-903-00	CARBON	1M	5%	1/6W	
R323	1-249-429-11	CARBON	10K	5%	1/6W	
R324	1-249-429-11	CARBON	10K	5%	1/6W	
R325	1-249-429-11	CARBON	10K	5%	1/6W	
R326	1-249-429-11	CARBON	10K	5%	1/6W	
R327	1-247-839-00	CARBON	2.2K	5%	1/6W	
R328	1-249-405-11	CARBON	100	5%	1/6W	
R329	1-247-799-00	CARBON	47	5%	1/6W	
R330	1-247-903-00	CARBON	1M	5%	1/6W	
R331	1-249-437-11	CARBON	47K	5%	1/6W	
R332	1-249-429-11	CARBON	10K	5%	1/6W	
R333	1-249-437-11	CARBON	47K	5%	1/6W	
R334	1-249-423-11	CARBON	3.3K	5%	1/6W	
R335	1-247-857-00	CARBON	12K	5%	1/6W	
R336	1-247-857-00	CARBON	12K	5%	1/6W	
R337	1-247-789-00	CARBON	18	5%	1/6W	
R338	1-247-789-00	CARBON	18	5%	1/6W	
R339	1-249-418-11	CARBON	1.2K	5%	1/6W	
R340	⚠1-249-385-11	CARBON	2.2	5%	1/6W	F
R341	⚠1-249-385-11	CARBON	2.2	5%	1/6W	F
R342	1-249-420-11	CARBON	1.8K	5%	1/6W	
R343	⚠1-217-637-00	FUSIBLE	1	5%	1/4W	F
R344	1-249-417-11	CARBON	1K	5%	1/6W	
R345	1-247-815-00	CARBON	220	5%	1/6W	
R346	1-247-823-00	CARBON	470	5%	1/6W	
RV1	1-228-993-00	RES, ADJ, CARBON 4.7K (FM VCO)				
RV301	1-237-024-11	RES, VAR, SLIDE 100K/100K (G.TO 100Hz)				
RV302	1-237-024-11	RES, VAR, SLIDE 100K/100K (G.TO 400Hz)				
RV303	1-237-024-11	RES, VAR, SLIDE 100K/100K (G.TO 1KHz)				
RV304	1-237-024-11	RES, VAR, SLIDE 100K/100K (G.TO 4KHz)				
RV305	1-237-024-11	RES, VAR, SLIDE 100K/100K (G.TO 10kHz)				

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ELECTRICAL PARTS

Ref.No.	Part No.	Description
RV306	1-230-095-00	RES, VAR, CARBON 100K (BALANCE)
RV307	1-230-620-11	RES, VAR, CARBON 50K/50K (VOLUME)
S1	1-570-347-11	SWITCH, LEVER SLIDE (BAND)
S2	1-552-909-12	(AEP)...SW PUSH 1-1-2 (ST/MONO)
S301	1-570-782-11	SWITCH, SLIDE (REC/PLAY)
S302	1-570-783-11	SWITCH, LEVER SLIDE (FUNCTION)
S303	1-553-331-21	SWITCH, PUSH (TAPE SELECT)
S304	1-570-068-11	SWITCH, PUSH (1 KEY)(REC MUTE)
S601	1-554-495-00	SWITCH, LEAF (MOTOR)
S602	1-570-012-11	SWITCH, LEAF (AMS)
S901	⚠1-554-752-11	(E)... SWITCH VOLTAGE SELECTOR
SP101	1-503-631-11	SPEAKER (R-CH)
SP201	1-503-631-11	SPEAKER (L-CH)
SP301	1-503-632-11	SPEAKER (BASS)
T1	1-403-872-00	I.F.T, FM CONVERTER (SMALL TYPE)
T3	1-406-040-00	COIL (OSC)
T4	1-404-249-00	COIL, FM DETECTOR
T5	1-404-355-00	TRANSFORMER, IF
T301	1-433-268-00	TRANSFORMER, BIAS OSCILLATOR
T901	⚠1-448-672-11	(Canadian)...TRANSFORMER, POWER
T901	⚠1-448-673-11	(AEP).....TRANSFORMER, POWER
T901	⚠1-448-674-11	(E).....TRANSFORMER, POWER
T901	⚠1-448-708-11	(US).....TRANSFORMER, POWER

ACCESSORY & PACKING MATERIAL

Part No.	Description
⚠1-551-235-21	(E23).....CORD, POWER
⚠1-551-521-21	(E12).....CORD, POWER
⚠1-555-234-21	(AEP).....CORD, POWER
⚠1-556-281-00	(US,Canadian)...CORD, POWER
3-334-171-01	CUSHION (UPPER)
3-334-172-01	CUSHION (LOWER)
3-334-173-01	SHEET, PROTECTION
3-336-821-01	(AEP,E)...INDIVIDUAL CARTON
3-336-834-01	(US).....INDIVIDUAL CARTON
3-703-390-01	(US).....INSTRUCTION
3-795-308-51	(E23).....INSTRUCTION
3-764-430-01	(G-AEP)...INSTRUCTION DBP
3-765-508-11	(AEP,E).....MANUAL, INSTRUCTION
3-765-508-21	(US,Canadian)...MANUAL, INSTRUCTION
3-765-508-31	(Canadian).....MANUAL, INSTRUCTION
3-765-508-41	(AEP).....MANUAL, INSTRUCTION
3-795-748-21	(US)...SAFETY INSTRUCTIONS, HEADPHONE
⚠ 1-526-565-21	(E23). AC PLUG ADAPTOR

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Sony Corporation

9-952-304-11

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